Pioneer

VSX-827-K/-S
VSX-527-K/-S

AV Receiver

Discover the benefits of registering your product online at **http://www.pioneer.co.uk** (or **http://www.pioneer.eu**).

Operating Instructions

IMPORTANT

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

D3-4-2-1-1_A1_En

WARNING

This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

D3-4-2-1-3_A1_En

WARNING

Before plugging in for the first time, read the following section carefully.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., 230 V or 120 V) written on the rear panel.

D3-4-2-1-4*_A1_En

WARNING

To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.

D3-4-2-1-7a_A1_En

Operating Environment

Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked)

Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

D3-4-2-1-7c*_A1_En

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

K041_A1_En

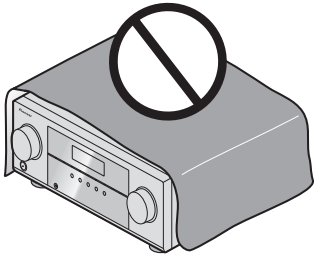
VENTILATION CAUTION

When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 40 cm at top, 20 cm at rear, and 20 cm at each side).

WARNING

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

D3-4-2-1-7b*_A1_En



Information for users on collection and disposal of old equipment and used batteries

(Symbol for equipment)

(Symbol examples for batteries)

Pb

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

These symbols are only valid in the European Union.

For countries outside the European Union:

If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

K058a_A1_En

If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal.
The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-1a_A1_En

CAUTION

The ⏻**STANDBY/ON** switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-2a*_A1_En

Contents

Thank you for buying this Pioneer product. Please read through these operating instructions so you will know how to operate your model properly.

Before you start 6
Checking what's in the box 6
Installing the receiver 6

Flow of settings on the receiver 6

01 Controls and displays
Front panel 7
Display 8
Remote control 9
Loading the batteries 10
Operating range of remote control 10

02 Connecting your equipment
Determining the speakers' application 11
Some tips for improving sound quality 11
Connecting the speakers 12
Connect the surround back or front height speakers (In case of VSX-827) 12
Connect the surround back or front height speakers (In case of VSX-527) 12
Switching the speaker terminal 14
Making cable connections 14
HDMI cables 14
About HDMI 14
Analog audio cables 15
Digital audio cables 15
Video cables 15
About the video converter (VSX-827 only) 16
About video outputs connection (VSX-527 only) 16
Connecting a TV and playback components 17
Connecting using HDMI 17
Connecting your TV with no HDMI input 18
Connecting your DVD player with no HDMI output (VSX-827 only) 19
Connecting optional *Bluetooth*® ADAPTER 20
Connecting to the network through LAN interface 20
Connecting antennas 21
Using external antennas 21
Connecting a USB device 21
Connecting an iPod 22
Plugging in the receiver 22

03 Basic Setup
Canceling the Auto Power Down 23
Canceling the demo display 23
Automatically setting up for surround sound (MCACC) 23
Other problems when using the Auto MCACC setup 24

04 Basic playback
Playing a source 25
Selecting the audio input signal 25
Playing an iPod 27
Playing back files stored on an iPod 27
Basic playback controls 27
Watching photos and video content 27
Playing a USB device 28
Playing back audio files stored on a USB memory device 28
Playing back photo files stored on a USB memory device 28
About playable file formats 29
Bluetooth® ADAPTER for Wireless Enjoyment of Music 30
Wireless music play 30
Pairing the *Bluetooth* ADAPTER and *Bluetooth* wireless technology device 30
Listening to Music Contents of *Bluetooth* wireless technology device with Your System 31
AIR JAM 31
Listening to the radio 32
Improving FM sound 32
Saving station presets 32
Listening to station presets 32
Naming preset stations 32
An introduction to RDS 33
Searching for RDS programs 33
Displaying RDS information 33

05 Listening to your system
Choosing the listening mode 34
Auto playback 34
Listening in surround sound 34
Using the Advanced surround 35
Using Stream Direct 35
Using the Sound Retriever 35
Listening with Acoustic Calibration EQ 35
Better sound using Phase Control 36
Using surround back channel processing 36
Setting the Up Mix function 36
Setting the Audio options 37

06 Playback with NETWORK features
Introduction 39
About playable DLNA network devices 39
Using AirPlay on iPod touch, iPhone, iPad, and iTunes 39
About the DHCP server function 39
Authorizing this receiver 39
Playback with Network functions 40
Basic playback controls 40
Listening to Internet radio stations 40
Playing back audio files stored on components on the network 41
Playing back your favorite songs 41
The Network Setup menu 41
Network Configuration 42
Language 43
Firmware Update 43
Factory Reset 43
System Information 43
About network playback 44
Content playable over a network 44
About playback behavior over a network 45
Glossary 45
About playable file formats 46

07 Home Menu

Using the Home Menu 47
Manual speaker setup 47
  Speaker Setting 47
  X.Over 48
  Channel Level 49
  Speaker Distance 49
The Input Assign menu 50
  Analog Input 50
  Component Input (VSX-827 only) 50
The Speaker System setting (VSX-827 only) 50
The Video Parameter setting (VSX-827 only) 50
  Video Converter 50
  Resolution 51
  Aspect 51
The Pre Out Setting (VSX-527 only) 51
The Auto Power Down menu 52
The Network Standby menu 52
The FL Demo Mode menu 52

08 Control with HDMI function

Making Control with HDMI connections 53
HDMI Setup 53
Before using synchronization 54
About synchronized operations 54
Cautions on the Control with HDMI function 54

09 Controlling the rest of your system

Setting the remote to control other components 55
Selecting preset codes directly 55
Clearing all the remote control settings 55
Controls for TVs 56
Controls for other components 56
Preset Code List 56

10 Additional information

Troubleshooting 62
  General 62
  NETWORK feature 63
  HDMI 64
  Important information regarding the HDMI connection 64
Windows 7 65
About iPod/iPhone/iPad 65
About FLAC 65
About messages displayed when using network functions 66
Resetting the main unit 66
Cleaning the unit 66
Specifications 67

Before you start

Checking what's in the box

Please check that you've received the following supplied accessories:

- Setup microphone
- Remote control
- AAA size IEC R03 dry cell batteries (to confirm system operation) x2
- AM loop antenna
- FM wire antenna
- Power cord
- iPod cable (VSX-827 only)
- Warranty card
- Quick start guide
- Safety Brochure
- These operating instructions (CD-ROM)

Installing the receiver

- When installing this unit, make sure to put it on a level and stable surface.

Don't install it on the following places:

– on a color TV (the screen may distort)

– near a cassette deck (or close to a device that gives off a magnetic field). This may interfere with the sound.

– in direct sunlight

– in damp or wet areas

– in extremely hot or cold areas

– in places where there is vibration or other movement

– in places that are very dusty

– in places that have hot fumes or oils (such as a kitchen)

Flow of settings on the receiver

The unit is a full-fledged AV receiver equipped with an abundance of functions and terminals. It can be used easily after following the procedure below to make the connections and settings.

The colors of the steps indicate the following:

Required setting item

Setting to be made as necessary

1 Connecting the speakers

Where you place the speakers will have a big effect on the sound.

- Determining the speakers' application (page 11)
- Connecting the speakers (page 12)
- Switching the speaker terminal (page 14)

⬇

2 Connecting the components

For surround sound, you'll want to hook up using a digital connection from the Blu-ray Disc/DVD player to the receiver.

- About the video converter (VSX-827 only) (page 16)
- About video outputs connection (VSX-527 only) (page 16)
- Connecting a TV and playback components (page 17)
- Connecting antennas (page 21)
- Plugging in the receiver (page 22)

⬇

3 Power On

Make sure you've set the video input on your TV to this receiver. Check the manual that came with the TV if you don't know how to do this.

⬇

4 The Speaker System setting (VSX-827 only) (page 50)

(Specify either using the surround back or front height speaker.)

The Pre Out Setting (VSX-527 only) (page 51)

(When connecting the front height speakers.)

The Input Assign menu (page 50)

(When using connections other than the recommended connections.)

HDMI Setup (page 53)

(When the connected TV supports the HDMI Audio Return Channel function.)

⬇

5 Use the on-screen automatic MCACC setup to set up your system

- Automatically setting up for surround sound (MCACC) (page 23)

⬇

6 Basic playback (page 25)

- Selecting the audio input signal (page 25)
- Playing an iPod (page 27)
- Playing a USB device (page 28)
- Choosing the listening mode (page 34)

⬇

7 Adjusting the sound as desired

- Using the Sound Retriever (page 35)
- Better sound using Phase Control (page 36)
- Listening with Acoustic Calibration EQ (page 35)
- Using surround back channel processing (page 36)
- Setting the Up Mix function (page 36)
- Setting the Audio options (page 37)
- Manual speaker setup (page 47)

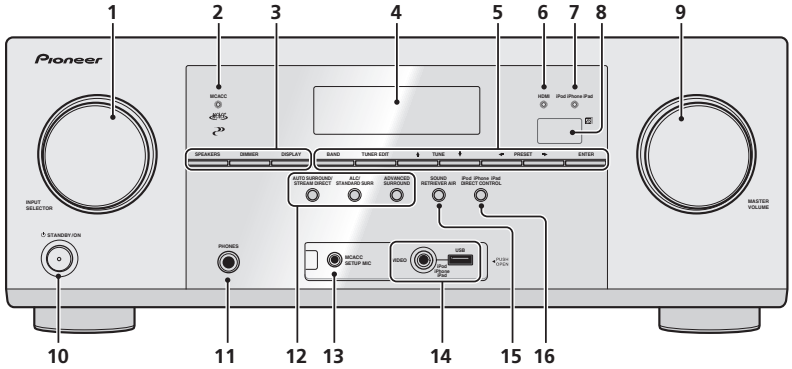
⬇

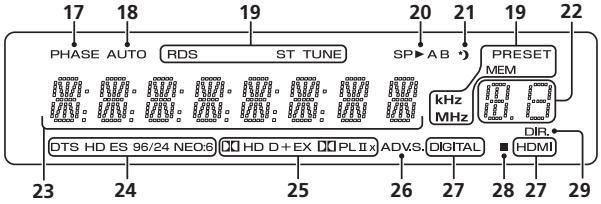
8 Making maximum use of the remote control

- Setting the remote to control other components (page 55)

Controls and displays

Front panel





1 INPUT SELECTOR dial
Selects an input source (page 25).

2 MCACC indicator
Lights when Acoustic Calibration EQ (page 35) is on (Acoustic Calibration EQ is automatically set to on after the Auto MCACC setup (page 23)).

3 Receiver control buttons

SPEAKERS – See *Switching the speaker terminal* on page 14.

DIMMER – Dims or brightens the display. The brightness can be controlled in four steps.

DISPLAY – Switches the display of this unit. The listening mode, sound volume, Speaker System *(VSX-827)*/Pre Out *(VSX-527)* setting or input name can be checked by selecting an input source.

- The Speaker System/Pre Out setting may or may not be displayed, depending on the input source you have selected.

4 Character display
See *Display* on page 8.

5 Tuner control buttons

BAND – Switches between AM, FM ST (stereo) and FM MONO radio bands (page 32).

TUNER EDIT – Use with **TUNE** ↑/↓, **PRESET** ←/→ and **ENTER** to memorize and name stations for recall (page 32).

TUNE ↑/↓ – Used to find radio frequencies (page 32).

PRESET ←/→ – Use to select preset radio stations (page 32).

6 HDMI indicator
Blinks when connecting an HDMI-equipped component; lights when the component is connected (page 17).

7 iPod iPhone iPad indicator
Lights when an iPod/iPhone/iPad is connected and **iPod/USB** input is selected (page 27).

8 Remote sensor
Receives the signals from the remote control (see *Operating range of remote control* on page 10).

9 MASTER VOLUME dial

10 ⏻STANDBY/ON

11 PHONES jack
Use to connect headphones. When the headphones are connected, there is no sound output from the speakers. The listening mode when the sound is heard from the headphone can be selected only from **PHONES SURR**, **STEREO** or **STEREO ALC** mode (**S.R AIR** mode can be also selected with **ADAPTER** input).

12 Listening mode buttons

AUTO SURROUND/STREAM DIRECT – Switches between Auto surround mode (page 34) and Stream Direct playback (page 35).

ALC/STANDARD SURR – Press for standard decoding and to switch between the modes of DD Pro Logic II, DD Pro Logic IIx, DD Pro Logic IIz and NEO:6, and the Auto level control stereo mode (page 34).

ADVANCED SURROUND – Switches between the various surround modes (page 35).

13 MCACC SETUP MIC jack
Use to connect a microphone when performing Auto MCACC setup (page 23).

14 iPod iPhone iPad/USB terminal
Use to connect your Apple iPod or USB mass storage device as an audio source (page 22).

15 SOUND RETRIEVER AIR
When the button is pressed, the input switches to **ADAPTER** and the listening mode is automatically set to **S.R AIR** (page 31).

16 iPod iPhone iPad DIRECT CONTROL
Change the receiver's input to the **iPod** and enable iPod operations on the iPod (page 28).

Display

17 PHASE
Lights when the Phase Control is switched on (page 36).

18 AUTO
Lights when the Auto Surround feature is switched on (page 34).

19 Tuner indicators

RDS – Lights when an RDS broadcast is received (page 33).

ST – Lights when a stereo FM broadcast is being received in auto stereo mode (page 32).

TUNE – Lights when a normal broadcast channel.

PRESET – Shows when a preset radio station is registered or called.

MEM – Blinks when a radio station is registered.

kHz/MHz – Lights when the character display is showing the currently received AM/FM broadcast frequency.

20 Speaker indicators
Shows if the speaker system is on or not (page 14).

21 Sleep timer indicator
Lights when the receiver is in sleep mode (page 9).

22 PRESET information or input signal indicator
Shows the preset number of the tuner or the input signal type, etc.

23 Character display
Displays various system information.

24 DTS indicators

DTS – Lights when a source with DTS encoded audio signals is detected.

HD – Lights when a source with DTS-EXPRESS or DTS-HD encoded audio signals is detected.

ES – Lights to indicate DTS-ES decoding.

96/24 – Lights when a source with DTS 96/24 encoded audio signals is detected.

NEO:6 – When one of the NEO:6 modes of the receiver is on, this lights to indicate NEO:6 processing (page 34).

25 Dolby Digital indicators

D D – Lights when a Dolby Digital encoded signal is detected.

D D+ – Lights when a source with Dolby Digital Plus encoded audio signals is detected.

D DHD – Lights when a source with Dolby TrueHD encoded audio signals is detected.

EX – Lights to indicate Dolby Digital EX decoding.

D DPLII(x) – Lights to indicate D D Pro Logic II/D D Pro Logic IIx decoding. Light will go off during D D Pro Logic IIz decoding (see *Listening in surround sound* on page 34 for more on this).

26 ADV.S.
Lights when one of the Advanced Surround modes has been selected (see *Using the Advanced surround* on page 35 for more on this).

27 SIGNAL SELECT indicators

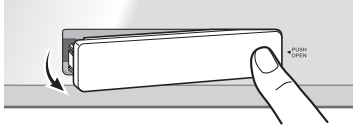
DIGITAL – Lights when a digital audio signal is selected. Blinks when a digital audio signal is selected and selected audio input is not provided.

HDMI – Lights when an HDMI signal is selected. Blinks when an HDMI signal is selected and selected HDMI input is not provided.

28 Up Mix/DIMMER indicator
Lights when the Up Mix function is set to **ON** (page 36). Also, lights when DIMMER is set to off.

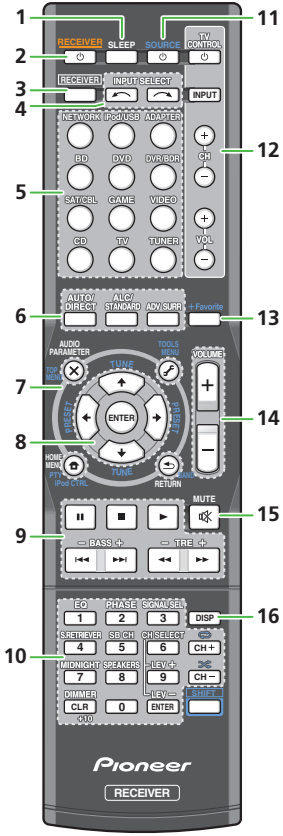
29 DIR.
Lights when the **DIRECT** or **PURE DIRECT** mode is switched on (page 35).

Removing the front cover



Attaching the front cover

Remote control



- SHIFT button is not used with this receiver.

1 SLEEP
Press to change the amount of time before the receiver switches into standby (**30 min – 60 min – 90 min – Off**). You can check the remaining sleep time at any time by pressing **SLEEP** once.

2 ⏻RECEIVER
Switches the receiver between standby and on.

3 RECEIVER
Switches the remote to control the receiver (used to select the white commands above the number buttons (**MIDNIGHT**, etc)). Also use this button to set up surround sound (page 47) or Audio parameters (page 37).

4 INPUT SELECT
Use to select the input source (page 25).

5 Input function buttons
Use to select the input source to this receiver (page 25). This will enable you to control other components with the remote control (page 55).

6 Listening mode buttons

AUTO/DIRECT – Switches between Auto surround mode (page 34) and Stream Direct playback (page 35).

ALC/STANDARD SURR – Press for standard decoding and to switch between the modes of DD Pro Logic II, DD Pro Logic IIx, DD Pro Logic IIz and NEO:6, and the Auto level control stereo mode (page 34).

ADV SURR – Switches between the various surround modes (page 35).

7 Receiver and component control buttons
The following button controls can be accessed after you have selected the corresponding input function button (**BD**, **DVD**, etc.).

Press RECEIVER first to access:

AUDIO PARAMETER – Use to access the Audio options (page 37).

HOME MENU – Press to access the Home Menu (page 47).

RETURN – Confirm and exit the current menu screen.

Press **BD**, **DVD** or **DVR/BDR** first to access:

TOP MENU – Displays the disc 'top' menu of a Blu-ray Disc/DVD.

HOME MENU – Displays the HOME MENU screen.

RETURN – Confirm and exit the current menu screen.

MENU – Displays the TOOLS menu of Blu-ray Disc player.

Press **TUNER** first to access:

TOOLS – Memorizes stations for recall (page 32), also used to change the name (page 32).

BAND – Switches between AM, FM ST (stereo) and FM MONO radio bands (page 32).

PTY – Use to search for RDS program types (page 33).

Press **iPod/USB** first to access:

iPod CTRL – Switches between the iPod controls and the receiver controls (page 27).

8 ↑/↓/←/→ (TUNE ↑/↓, PRESET ←/→), ENTER
Use the arrow buttons when setting up your surround sound system (page 47). Also used to control Blu-ray Disc/DVD menus/options.

Use **TUNE** ↑/↓ can be used to find radio frequencies and **PRESET** ←/→ can be used to select preset radio stations (page 32).

9 Component control buttons
The main buttons (▶, ■, etc.) are used to control a component after you have selected it using the input function buttons.

The controls above these buttons can be accessed after you have selected the corresponding input function button (**BD**, **DVD** and **CD**). These buttons also function as described below.

Press RECEIVER first to access:

BASS +/–, **TRE +/–** – Use to adjust Bass or Treble.

- These controls are disabled when the listening mode is set to **DIRECT** or **PURE DIRECT**.
- When the front speaker is set at **SMALL** in the Speaker Setting (or automatically via the Auto MCACC setup) and the X.Over is set above 150 Hz, the subwoofer channel level will be adjusted by pressing **BASS +/–** (page 48).

10 Number buttons and other component controls
Use the number buttons to directly select a radio frequency (page 32) or the tracks on a CD, etc. There are other buttons that can be accessed after RECEIVER is pressed. (For example **MIDNIGHT**, etc.)

EQ – Press to switch on/off Acoustic Calibration EQ setting (page 35).

PHASE – Press to switch on/off Phase Control (page 36).

SIGNAL SEL – Press to select the audio input signal of the component to play back (page 25).

S.RETRIEVER – Press to restore CD quality sound to compressed audio sources (page 35).

SB CH – Press to select **ON**, **AUTO** or **OFF** the surround back channel (page 36).

CH SELECT – Press repeatedly to select a channel, then use **LEV +/–** to adjust the level (page 49).

LEV +/– – Use to adjust the channel level.

MIDNIGHT – Switches to Midnight or Loudness listening (page 37).

SPEAKERS – See *Switching the speaker terminal* on page 14.

DIMMER – Dims or brightens the display. The brightness can be controlled in four steps.

11 ⏻SOURCE
Press to turn on/off other components connected to the receiver (page 55).

12 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the **TV** button. Thus if you only have one TV to hook up to this system assign it to the **TV** button (page 56).

⏻ – Use to turn on/off the power of the TV.

INPUT – Use to select the TV input signal.

CH +/– – Use to select channels.

VOL +/– – Use to adjust the volume on your TV.

13 +Favorite
Press while a song is being played back or stopped. The selected song is then registered in the Favorites folder (page 41).

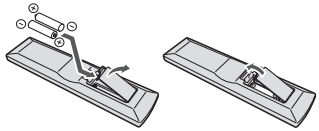
14 VOLUME +/–
Use to set the listening volume.

15 MUTE
Mutes/unmutes the sound.

16 DISP
Switches the display of this unit. The listening mode, sound volume, Speaker System *(VSX-827)*/Pre Out *(VSX-527)* setting or input name can be checked by selecting an input source.

- The Speaker System/Pre Out setting may or may not be displayed, depending on the input source you have selected.

Loading the batteries



The batteries included with the unit are to check initial operations; they may not last over a long period. We recommend using alkaline batteries that have a longer life.

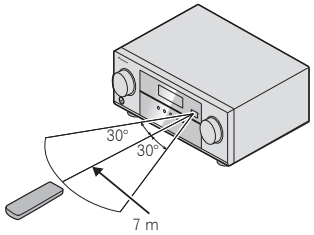
⚠ CAUTION

- Incorrect use of batteries may result in such hazards as leakage and bursting. Observe the following precautions:
  - Never use new and old batteries together.
  - Insert the plus and minus sides of the batteries properly according to the marks in the battery case.
  - Batteries with the same shape may have different voltages. Do not use different batteries together.
  - When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.
  - Do not use or store batteries in direct sunlight or other excessively hot place, such as inside a car or near a heater. This can cause batteries to leak, overheat, explode or catch fire. It can also reduce the life or performance of batteries.

Operating range of remote control

The remote control may not work properly if:

- There are obstacles between the remote control and the receiver's remote sensor.
- Direct sunlight or fluorescent light is shining onto the remote sensor.
- The receiver is located near a device that is emitting infrared rays.
- The receiver is operated simultaneously with another infrared remote control unit.



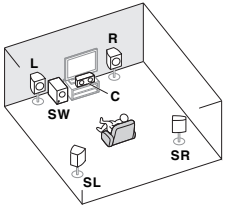
Connecting your equipment

Determining the speakers' application

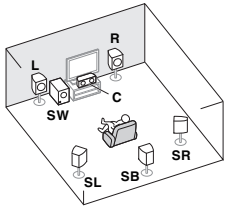
By connecting the left and right front speakers (**L**/**R**), the center speaker (**C**), the left and right surround speakers (**SL**/**SR**), the left and right surround back speakers (**SBL**/**SBR**) (or the left and right front height speakers (**FHL**/**FHR**)), and the subwoofer (**SW**), a surround sound system up to 7.1 channel can be enjoyed.

The 5.1 channel surround system is the most commonly-used in home theaters. To achieve the best possible surround sound, install your speakers as shown below.

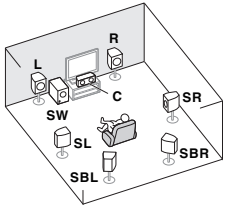
5.1 channel surround system:



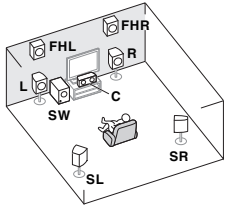
6.1 channel surround (Surround back) system:



7.1 channel surround (Surround back) system:



7.1 channel surround (Front height) system:

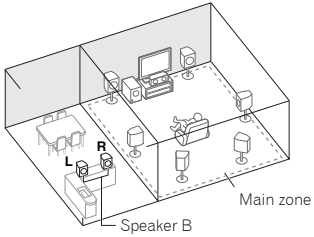


Important

- *VSX-827 only:* Both the surround back speakers and the front height speakers can be connected at the same time. In this case, sound will be output from either the front height speaker or the surround back speaker depending on which one was selected in the **Speaker System** setting (see *The Speaker System setting (VSX-827 only)* on page 50).
- *VSX-527 only:* **To connect the surround back or front height speakers, an additional amplifier is required.** Connect the additional amplifier to the **PRE OUT SURR BACK/FRONT HEIGHT** outputs of this unit and connect the surround back or front height speakers to the additional amplifier (see *Connect the surround back or front height speakers (In case of VSX-527)* on page 12).

VSX-827 only: Another way, you can use the speakers connected to the B speaker terminals to listen to stereo playback in another room. See *Switching the speaker terminal* on page 14 for the listening options with this setup.

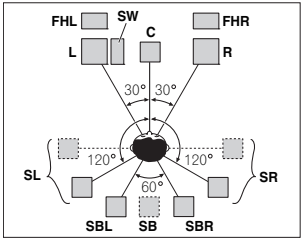
- **You will not be able to connect the B speakers if you connect the front height speakers in the main zone.** Further, if you use the B speakers, a 5.1 ch playback will be the maximum in the main zone. (No sound is output from the surround back speaker.)



Some tips for improving sound quality

Where you put your speakers in the room has a big effect on the quality of the sound. The following guidelines should help you to get the best sound from your system.

- It is best to angle the speakers towards the listening position. The angle depends on the size of the room. Use less of an angle for bigger rooms.
- Refer to the chart below for placement of speakers you intend to connect.



  - Place the surround speakers at 120° from the center. If you, (1) use the surround back speaker, and, (2) don't use the front height speakers, we recommend placing the surround speaker right beside you.
  - If you intend to connect only one surround back speakers, place it directly behind you.
  - If the surround speakers cannot be set directly to the side of the listening position with a 7.1-channel system, the surround effect can be enhanced by turning off the Up Mix function (see *Setting the Up Mix function* on page 36).
- For the best stereo effect, place the front speakers 2 m to 3 m apart, at equal distance from the TV.
- If you're using a center speaker, place the front speakers at a wider angle. If not, place them at a narrower angle.
- Place the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen. Also, make sure the center speaker does not cross the line formed by the leading edge of the front left and right speakers.

- Surround and surround back speakers should be positioned 60 cm to 90 cm higher than your ears and titled slight downward. Make sure the speakers don't face each other. For DVD-Audio, the speakers should be more directly behind the listener than for home theater playback.
- Try not to place the surround speakers farther away from the listening position than the front and center speakers. Doing so can weaken the surround sound effect.
- Place the left and right front height speakers at least one meter directly above the left and right front speakers.
- If you're going to place speakers around your CRT TV, use shielded speakers or place the speakers at a sufficient distance from your CRT TV.
- The subwoofer can be placed on the floor. Ideally, the other speakers should be at about ear-level when you're listening to them. Putting the speakers on the floor (except the subwoofer), or mounting them very high on a wall is not recommended.
- When not connecting a subwoofer, connect speakers with low frequency reproduction capabilities to the front channel. (The subwoofer's low frequency component is played from the front speakers, so the speakers could be damaged.)
- **After connecting, be sure to conduct the Auto MCACC (speaker environment setting) procedure.**
  See *Automatically setting up for surround sound (MCACC)* on page 23.

⚠ CAUTION

- Make sure that all speakers are securely installed. This not only improves sound quality, but also reduces the risk of damage or injury resulting from speakers being knocked over or falling in the event of external shocks such as earthquakes.

Connecting the speakers

The receiver will work with just two stereo speakers (the front speakers in the diagram) but using at least three speakers is recommended, and a complete setup is best for surround sound.

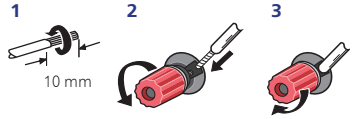
Make sure you connect the speaker on the right to the right (**R**) terminal and the speaker on the left to the left (**L**) terminal. Also make sure the positive and negative (**+**/**–**) terminals on the receiver match those on the speakers.

You can use speakers with a nominal impedance between 6 Ω and 16 Ω.

Be sure to complete all connections before connecting this unit to the AC power source.

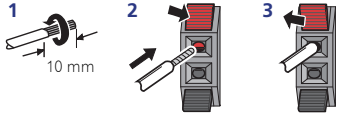
Bare wire connections

1. **Twist exposed wire strands together.**
2. **Loosen terminal and insert exposed wire.**
3. **Tighten terminal.**



Connect the wires to the B-Speakers terminals of the VSX-827 as shown below:

1. **Twist exposed wire strands together.**
2. **Push open the tabs and insert exposed wire.**
3. **Release the tabs.**



⚠ CAUTION

- These speaker terminals carry **HAZARDOUS LIVE voltage**. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
- Make sure that all the bare speaker wire is twisted together and inserted fully into the speaker terminal. If any of the bare speaker wire touches the back panel it may cause the power to cut off as a safety measure.

Connect the surround back or front height speakers (In case of VSX-827)

The Speaker System setting must be set if the above connections are performed. Select **Surr.Back** if the surround back speaker is connected and **Height** if the front height speaker is connected (If neither the surround back speaker nor the front height speaker is connected, either setting will suffice) (see *The Speaker System setting (VSX-827 only)* on page 50).

- When using only one surround back speaker, connect it to the **SURROUND BACK L (Single)** terminals.

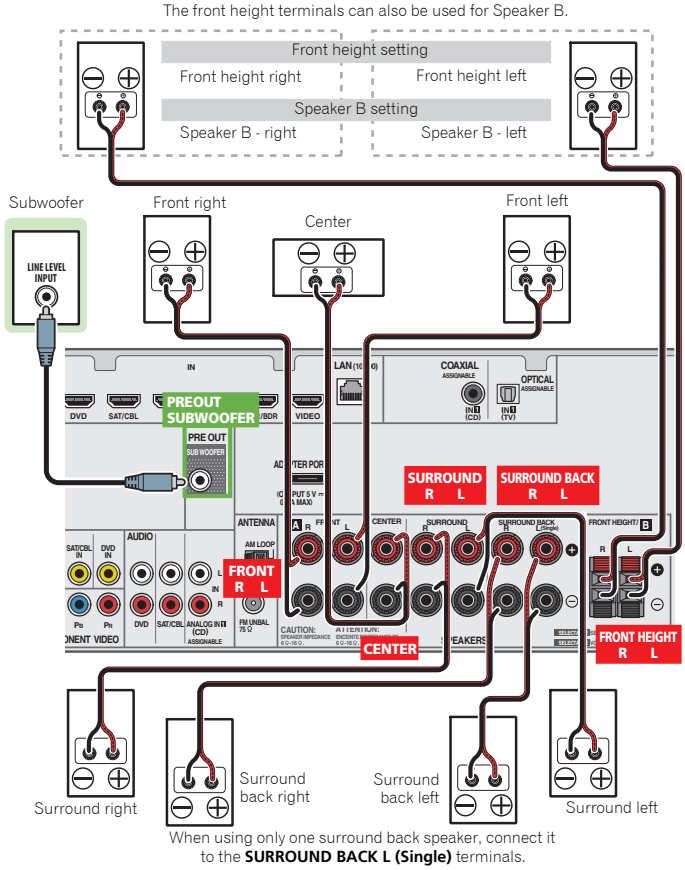
Connect the surround back or front height speakers (In case of VSX-527)

Connect the **PRE OUT SURR BACK/FRONT HEIGHT** outputs of the unit and additional amplifier to add a surround back or front height speaker.

The Pre Out setting must be set if the above connections are performed. Select **Surr.Back** if the surround back speaker is connected and **Height** if the front height speaker is connected (If neither the surround back speaker nor the front height speaker is connected, either setting will suffice) (see *The Pre Out Setting (VSX-527 only)* on page 51).

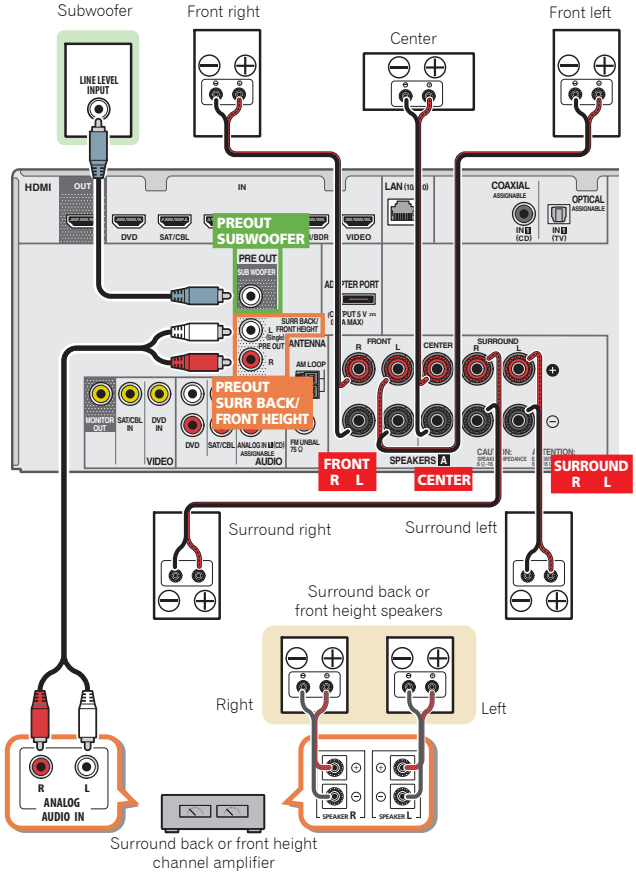
- You can use the additional amplifier on the surround back channel pre-outs for a single speaker as well. In this case plug the amplifier into the left (**L (Single)**) terminal only.

VSX-827 connection diagram



When using only one surround back speaker, connect it to the **SURROUND BACK L (Single)** terminals.

VSX-527 connection diagram



Switching the speaker terminal

Use **SPEAKERS** button to change the speaker system on or off. When the **SP OFF** is selected, no sound is output from the speakers connected to this receiver.

VSX-827 only: If you selected **Surr.Back** in *The Speaker System setting (VSX-827 only)* on page 50, you can switch between speakers using the **SPEAKERS** button. If you selected **Height**, the button will simply switch your main speaker terminal on or off. The options below are for the **Surr.Back** setting only.

▶ **Use the SPEAKERS button on the front panel to select a speaker terminal setting.**

Press repeatedly to choose a speaker terminal option:

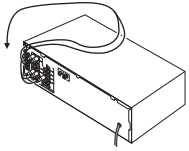
- **SP▶A** – Sound is output from the speakers connected to the A-speaker terminals and **PRE OUT SURR BACK/FRONT HEIGHT** *(VSX-527 only)* (multichannel playback is possible).
- **SP▶B** (VSX-827 only) – Sound is output from the two speakers connected to the B-speaker terminals (only stereo playback is possible).
- **SP▶AB** (VSX-827 only) – Sound is output from the A-speaker terminals, the two speakers in the B-speaker terminals, and the subwoofer. Multichannel sources are downmixed only when the **STEREO** or **STEREO ALC** mode is selected for stereo output from A- and B-speaker terminals.
- **SP▶** – No sound is output from the speakers.

Note

- *VSX-827 only:* The subwoofer output depends on the settings you made in *Speaker Setting* on page 47. However, if **SP▶B** is selected above, no sound is heard from the subwoofer (the LFE channel is not downmixed).
- All speaker terminals are switched off (**SP▶**) when headphones are connected. **SP▶B** can be selected even when headphones are connected for VSX-827.

Making cable connections

Make sure not to bend the cables over the top of this unit (as shown in the illustration). If this happens, the magnetic field produced by the transformers in this unit may cause a humming noise from the speakers.

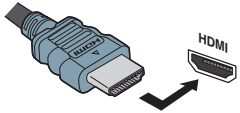


Important

- Before making or changing connections, switch off the power and disconnect the power cord from the AC outlet.
- Before unplugging the power cord, switch the power into standby.

HDMI cables

Both video and sound signals can be transmitted simultaneously with one cable. If connecting the player and the TV via this receiver, for both connections, use HDMI cables.



Be careful to connect the terminal in the proper direction.

Note

- Set the HDMI parameter in *Setting the Audio options* on page 37 to **THRU** (THROUGH) and set the input signal in *Selecting the audio input signal* on page 25 to **HDMI**, if you want to hear HDMI audio output from your TV (no sound will be heard from this receiver).
- If the video signal does not appear on your TV, try adjusting the resolution settings on your component or display. Note that some components (such as video game units) have resolutions that may not be displayed. In this case, use a (analog) composite connection.
- When the video signal from the HDMI is 480i, 480p, 576i or 576p, Multi Ch PCM sound and HD sound cannot be received.

About HDMI

The HDMI connection transfers uncompressed digital video, as well as almost every kind of digital audio that the connected component is compatible with, including DVD-Video, DVD-Audio, SACD, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio (see below for limitations), Video CD/ Super VCD and CD.

This receiver incorporates High-Definition Multimedia Interface (HDMI®) technology.

This receiver supports the functions described below through HDMI connections.

- Digital transfer of uncompressed video (contents protected by HDCP (1080p/24, 1080p/60, etc.))
- 3D signal transfer
- Deep Color signal transfer
- x.v.Color signal transfer
- Audio Return Channel
- Input of multi-channel linear PCM digital audio signals (192 kHz or less) for up to 8 channels
- Input of the following digital audio formats:
  – Dolby Digital, Dolby Digital Plus, DTS, High bitrate audio (Dolby TrueHD, DTS-HD Master Audio), DVD-Audio, CD, SACD (DSD 2 ch only), Video CD, Super VCD
- Synchronized operation with components using the **Control** with HDMI function (see *Control with HDMI function* on page 53)

Note

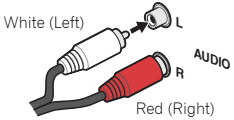
- Use a High Speed HDMI® cable. If HDMI cable other than a High Speed HDMI® cable is used, it may not work properly.
- When an HDMI cable with a built-in equalizer is connected, it may not operate properly.
- 3D, Deep Color, x.v.Color signal transfer and Audio Return Channel are only possible when connected to a compatible component.
- HDMI format digital audio transmissions require a longer time to be recognized. Due to this, interruption in the audio may occur when switching between audio formats or beginning playback.
- Turning on/off the device connected to this unit's HDMI OUT terminal during playback, or disconnecting/connecting the HDMI cable during playback, may cause noise or interrupted audio.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

"x.v.Color" and x.v.Color *are trademarks of Sony Corporation.*

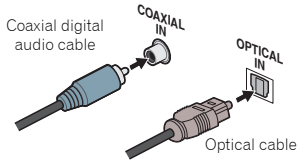
Analog audio cables

Use stereo RCA phono cables to connect analog audio components. These cables are typically red and white, and you should connect the red plugs to R (right) terminals and white plugs to L (left) terminals.



Digital audio cables

Commercially available coaxial digital audio cables or optical cables should be used to connect digital components to this receiver.



Note

- When connecting optical cables, be careful when inserting the plug not to damage the shutter protecting the optical socket.
- When storing optical cable, coil loosely. The cable may be damaged if bent around sharp corners.
- You can also use a standard RCA video cable for coaxial digital connections.

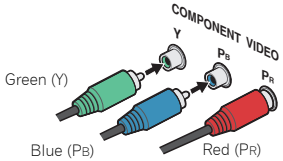
Video cables

Standard RCA video cables

These cables are the most common type of video connection and are used to connect to the composite video terminals. The yellow plugs distinguish them from cables for audio.

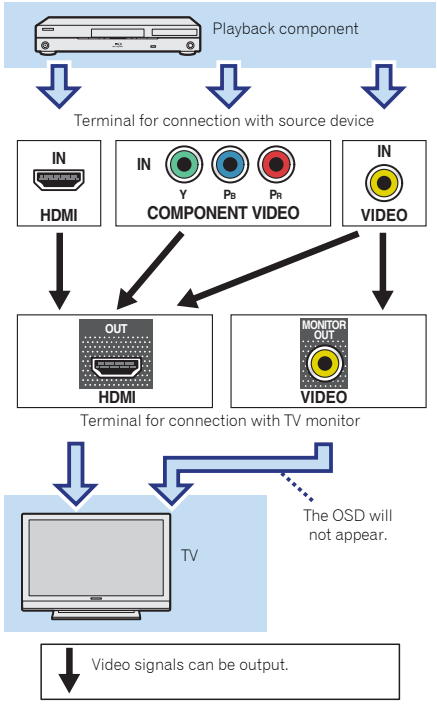
Component video cables (VSX-827 only)

Use component video cables to get the best possible color reproduction of your video source. The color signal of the TV is divided into the luminance (**Y**) signal and the color (**PB** and **PR**) signals and then output. In this way, interference between the signals is avoided.



About the video converter (VSX-827 only)

The video converter ensures that all video sources are output from the **HDMI OUT** terminal.



Note

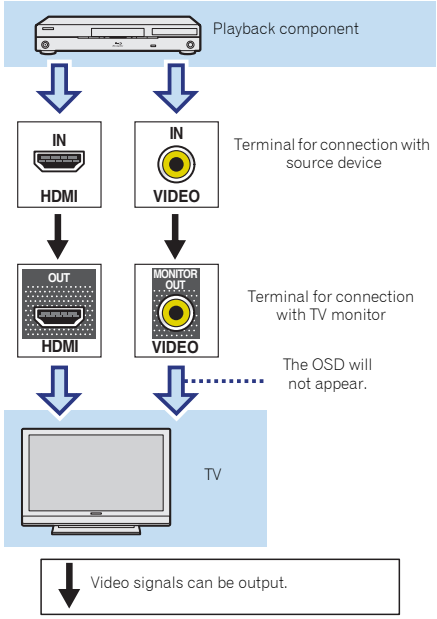
- If several video components are assigned to the same input function, the converter gives priority to HDMI, component, then composite (in that order).
- If the video signal does not appear on your TV, try adjusting the resolution settings on your component or display. Note that some components (such as video game units) have resolutions that may not be converted. In this case, try switching Video Converter **OFF** (see *Video Converter* on page 50).
- The signal input resolutions that can be converted from the component video input for the HDMI output are 480i/576i, 480p/576p, 720p and 1080i. 1080p signal cannot be converted.

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

About video outputs connection (VSX-527 only)

This receiver is not loaded with a video converter. When you use HDMI cables for connecting to the input device, the same cables should be used for connecting to the TV.

The signals input from the analog (composite) video inputs of this unit will not be output from the **HDMI OUT** terminal.



Connecting a TV and playback components

Connecting using HDMI

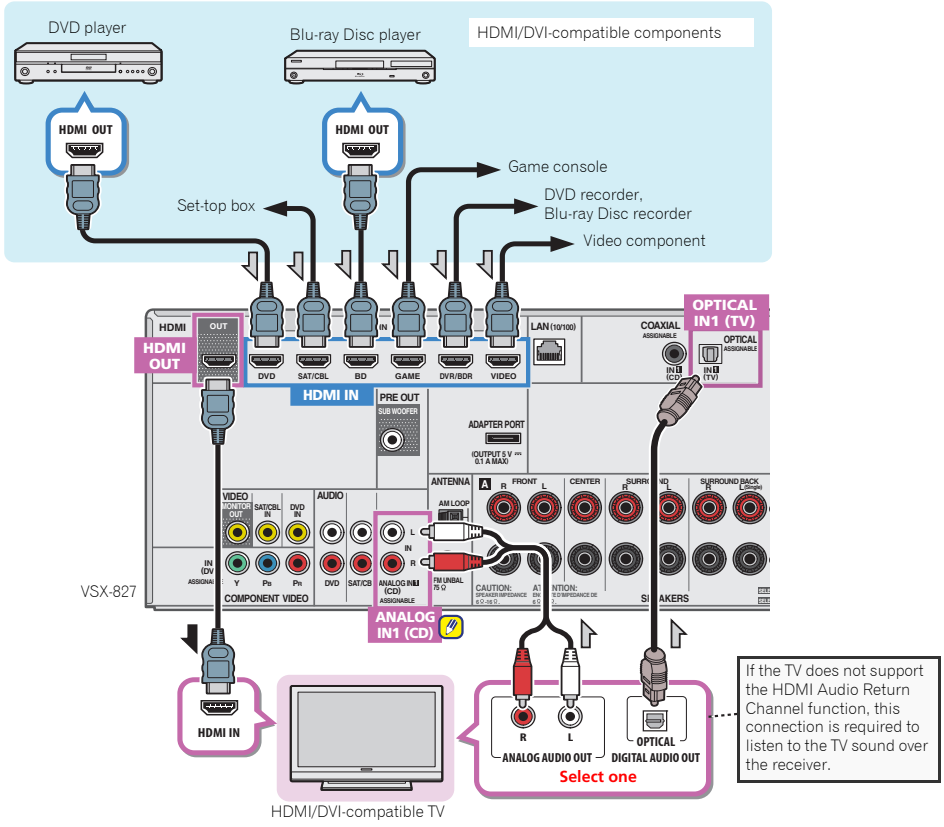
If you have an HDMI or DVI (with HDCP) equipped component (Blu-ray Disc player, etc.), you can connect it to this receiver using a commercially available HDMI cable.

If the TV and playback components support the **Control** with HDMI feature, the convenient **Control** with HDMI functions can be used (see *Control with HDMI function* on page 53).

- The following connection/setting is required to listen to the sound of the TV over this receiver.
  - If the TV does not support the HDMI Audio Return Channel function, connect the receiver and TV with audio cables (as shown).
  - If the TV supports the HDMI Audio Return Channel function, the sound of the TV can be input to the receiver via the HDMI terminal, so there is no need to connect an audio cable. In this case, set **ARC** at **HDMI Setup** to **ON** (see *HDMI Setup* on page 53).

Note

- In order to listen to the audio from the TV that is connected to this receiver using an analog audio cables, set-up for analog audio input is required (see *The Input Assign menu* on page 50).



Connecting your TV with no HDMI input

This diagram shows connections of a TV (with no HDMI input) and DVD player (or other playback component) to the receiver.

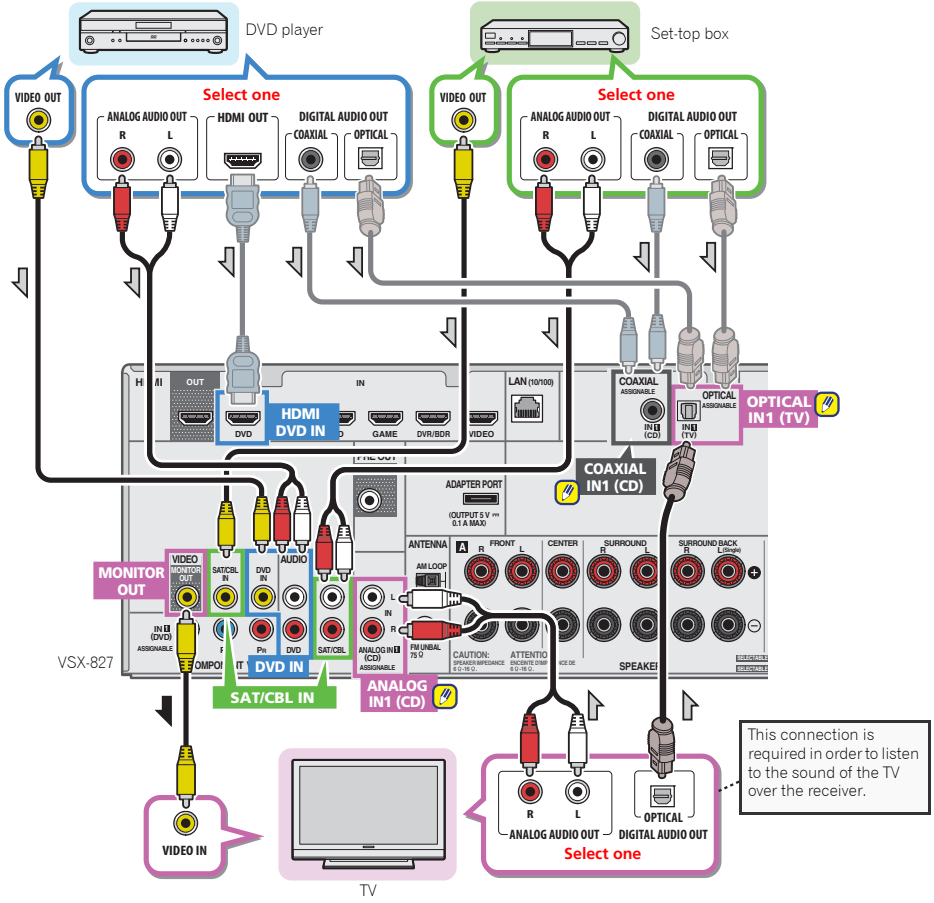
- With these connections, the picture is not output to the TV even if the DVD player is connected with an HDMI cable. Connect the DVD player's video signals using a composite cable.
- In order to listening to HD audio with this receiver, connect an HDMI cable, and use analog video cable for video signal input.
  Depending on the player, it may not be possible to output video signals to both HDMI and other video output (composite, etc.) simultaneously, and it may be necessary to make video output settings. Please refer to the operating instructions supplied with your player for more information.

Important

- When the receiver and TV are connected by composite cable, the OSD function allowing display of the receiver's settings, operations, etc., on the TV's screen cannot be used. In this case, watch the receiver's front panel display while performing the various operations and making settings.

Note

- In order to listen to the audio from the TV that is connected to this receiver using a analog audio cables, set-up for analog audio input is required (see *The Input Assign menu* on page 50).
- Only one component can be connected to both the optical input terminal and coaxial input terminal. If connecting other devices, please use a different method to connect the audio.
  In order to listen to the audio from the source component that is connected to this receiver using an optical cable or a coaxial cable, first, switch to the **DVD** (DVD player) or **SAT/CBL** (set-top box), then use RECEIVER and **SIGNAL SEL** to choose the audio signal **O1** (OPTICAL1) or **C1** (COAXIAL1) (see *Selecting the audio input signal* on page 25).



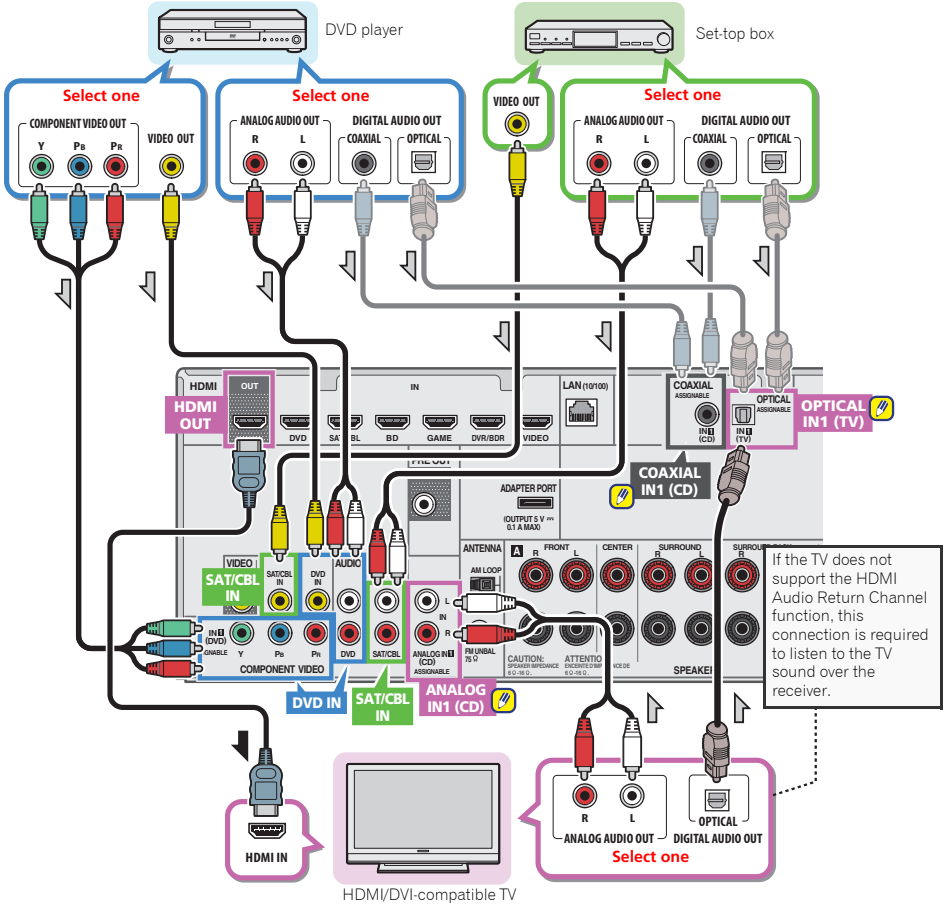
Connecting your DVD player with no HDMI output (VSX-827 only)

This diagram shows connections of a TV (with HDMI input) and DVD player (or other playback component with no HDMI output) to the receiver.

- The following connection/setting is required to listen to the sound of the TV over this receiver.
  - If the TV does not support the HDMI Audio Return Channel function, connect the receiver and TV with audio cables (as shown).
  - If the TV supports the HDMI Audio Return Channel function, the sound of the TV can be input to the receiver via the HDMI terminal, so there is no need to connect an audio cable. In this case, set **ARC** at **HDMI Setup** to **ON** (see *HDMI Setup* on page 53).

Note

- In order to listen to the audio from the TV that is connected to this receiver using a analog audio cables, set-up for analog audio input is required (see *The Input Assign menu* on page 50).
- Only one component can be connected to both the optical input terminal and coaxial input terminal. If connecting other devices, please use a different method to connect the audio.
  In order to listen to the audio from the source component that is connected to this receiver using an optical cable or a coaxial cable, first, switch to the **DVD** (DVD player) or **SAT/CBL** (set-top box), then use RECEIVER and **SIGNAL SEL** to choose the audio signal **O1** (OPTICAL1) or **C1** (COAXIAL1) (see *Selecting the audio input signal* on page 25).



Connecting optional *Bluetooth*® ADAPTER

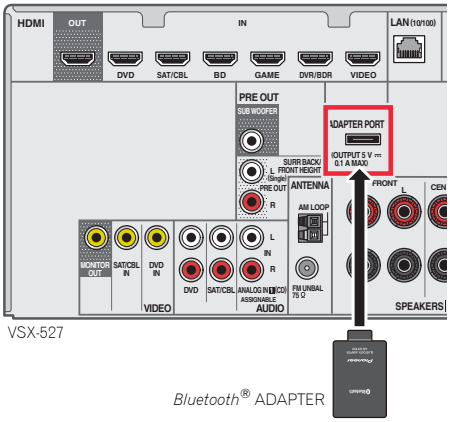
When the *Bluetooth* ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with *Bluetooth* wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly.

▶ **Connect a *Bluetooth* ADAPTER to the ADAPTER PORT terminal on the rear panel.**

- For instructions on playing the *Bluetooth* wireless technology device, see *Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device* on page 30.

Important

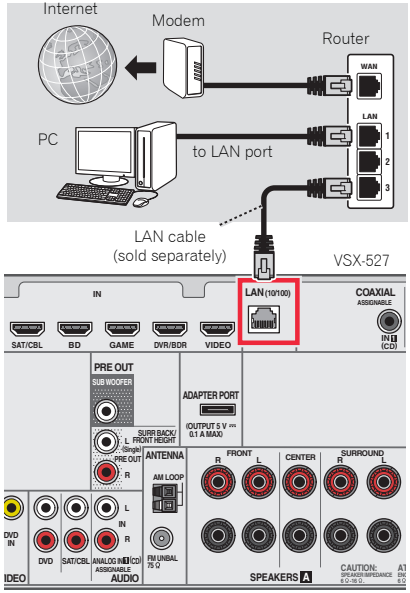
- Do not move the receiver with the *Bluetooth* ADAPTER connected. Doing so could cause damage or faulty contact.



Connecting to the network through LAN interface

By connecting this receiver to the network via the LAN terminal, you can listen to Internet radio stations. To listen to Internet radio stations, you must sign a contract with an ISP (Internet Service Provider) beforehand.

When connected in this way, you can play audio files stored on the components on the local network, including your computer.



Connect the LAN terminal on this receiver to the LAN terminal on your router (with or without the built-in DHCP server function) with a straight LAN cable (CAT 5 or higher).

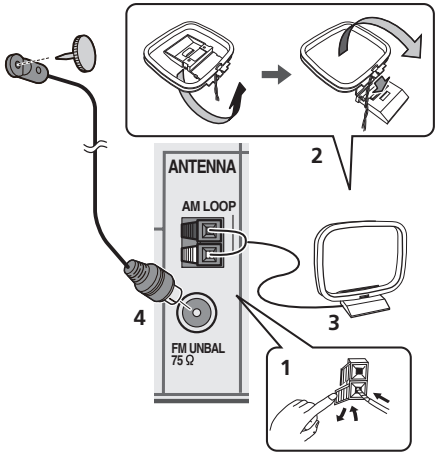
Turn on the DHCP server function of your router. In case your router does not have the built-in DHCP server function, it is necessary to set up the network manually. For details, see *The Network Setup menu* on page 41.

Note

- Refer to the operation manual of the equipment you have as the connected equipment and connection method may differ depending on your Internet environment.
- When using a broadband Internet connection, a contract with an Internet service provider is required. For more details, contact your nearest Internet service provider.

Connecting antennas

Connect the AM loop antenna and the FM wire antenna as shown below. To improve reception and sound quality, connect external antennas (see *Using external antennas* below).



1 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires.

2 Fix the AM loop antenna to the attached stand.
To fix the stand to the antenna, bend in the direction indicated by the arrow then clip the loop onto the stand.

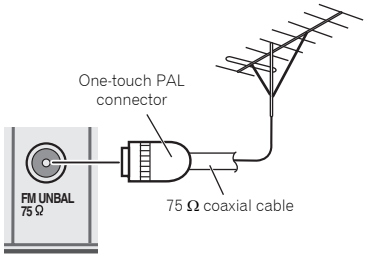
3 Place the AM antenna on a flat surface and in a direction giving the best reception.

4 Connect the FM wire antenna into the FM antenna socket.
For best results, extend the FM antenna fully and fix to a wall or door frame. Don't drape loosely or leave coiled up.

Using external antennas

To improve FM reception

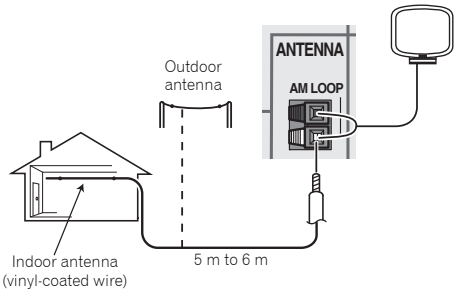
Use a PAL connector (not supplied) to connect an external FM antenna.



To improve AM reception

Connect a 5 m to 6 m length of vinyl-coated wire to the AM antenna terminal without disconnecting the supplied AM loop antenna.

For the best possible reception, suspend horizontally outdoors.

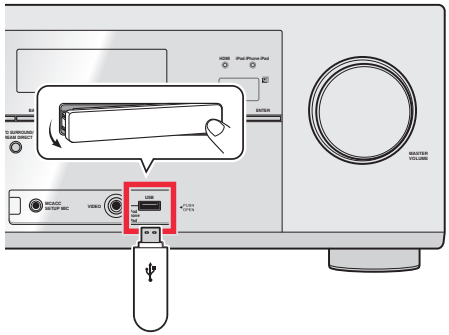


Connecting a USB device

It is possible to play audio and photo files by connecting USB devices to this receiver.

▶ **Switch the receiver into standby then connect your USB device to the USB terminal on the front panel of this receiver.**

- This receiver does not support a USB hub.
- For instructions on playing the USB device, see *Playing a USB device* on page 28.

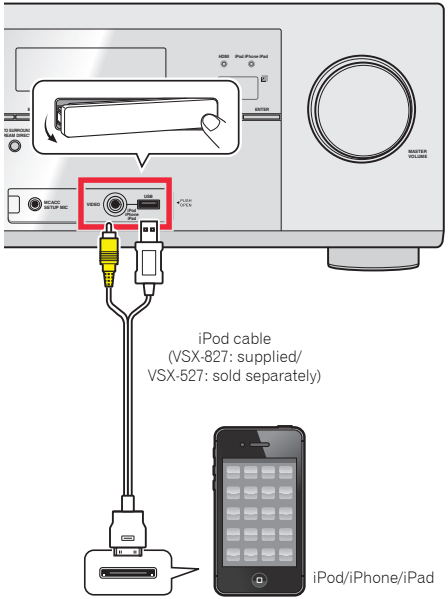


Connecting an iPod

This receiver has a dedicated iPod terminal that will allow you to control playback of audio content from your iPod using the controls of this receiver.

▶ **Switch the receiver into standby, and then use the iPod cable to connect your iPod to the iPod iPhone iPad USB terminal on the front panel of this receiver.**

- *VSX-527 only:* The iPod cable is not included with this receiver. The optional iPod cable from Pioneer is sold separately under the part number *L308102013030-IL*. Contact the Pioneer Customer Support division for more information on obtaining an optional iPod cable.
- The cable that comes with the iPod can also be used to connect the iPod. Connect the iPod terminal and the **iPod iPhone iPad USB** terminal on the receiver. The videos and images on the iPod cannot be viewed using this connection.
- For the cable connection, refer to also the operating instructions for iPod.
- For instructions on playing the iPod, see *Playing an iPod* on page 27.



Plugging in the receiver

Only plug in after you have connected all your components to this receiver, including the speakers.

CAUTION

- Handle the power cord by the plug part. Do not pull out the plug by tugging the cord, and never touch the power cord when your hands are wet, as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, or other object on the power cord or pinch the cord in any other way. Never make a knot in the cord or tie it with other cables. The power cords should be routed so that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electric shock. Check the power cord once in a while. If you find it damaged, ask your nearest Pioneer authorized independent service company for a replacement.
- Do not use any power cord other than the one supplied with this unit.
- Do not use the supplied power cord for any purpose other than that described below.
- The receiver should be disconnected by removing the mains plug from the wall socket when not in regular use, e.g., when on vacation.

Note

- After this receiver is connected to an AC outlet, a 2 second to 10 second HDMI initialization process begins. You cannot carry out any operations during this process. The **HDMI** indicator in the front panel display blinks during this process, and you can turn on this receiver once it has stopped blinking. When you set the **Control** with HDMI to **OFF**, you can skip this process. For details about the **Control** with HDMI feature, see *HDMI Setup* on page 53.

1 Plug the supplied power cord into the AC IN socket on the back of the receiver.

2 Plug the other end into a power outlet.

Canceling the Auto Power Down

When this receiver is not used over a period of several hours, it will power down automatically. The automatic power-off timer is set to six hours under factory settings, and the timing can be changed or the power-off function switched off altogether. For details, see *The Auto Power Down menu* on page 52.

Canceling the demo display

The display on the front panel shows various information (demo displays) when the receiver is not operating.

You can turn off the demo display. For details, see *The FL Demo Mode menu* on page 52.

- The demo mode is canceled automatically when the Auto MCACC setup is performed (see below).

Automatically setting up for surround sound (MCACC)

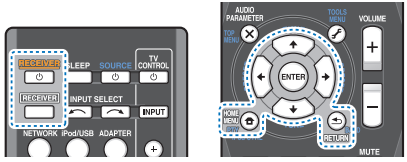
The Auto Multi-Channel Acoustic Calibration (MCACC) setup measures the acoustic characteristics of your listening area, taking into account ambient noise, speaker size and distance, and tests for both channel delay and channel level. After you have set up the microphone provided with your system, the receiver uses the information from a series of test tones to optimize the speaker settings and equalization for your particular room.

CAUTION

- The test tones used in the Auto MCACC setup are output at high volume.

Important

- The OSD will not appear if you have connected using the composite output to your TV. Use HDMI connection for Auto MCACC setup.
- The Auto MCACC setup will overwrite any existing speaker settings you've made.
- Before using the Auto MCACC setup, the **NETRADIO**, **M.SERVER**, **FAVORITE**, **iPod/USB** or **ADAPTER** input should not be selected as an input source.
- *VSX-827 only:* When both the surround back speaker and the front height speaker are connected, conduct Auto MCACC setup twice: once with the Speaker System setting is in **Surr.Back** and once with the Speaker System setting is in **Height**. (There is no need to conduct Auto MCACC setup every time the Speaker System setting is changed.)
- *VSX-527 only:* If you connected either the surround back speaker or the front height speaker, make sure that the Pre Out setting is correctly set before performing the Auto MCACC setup (see page 51). (Here is an explanation using the OSD screen for a surround back speaker connection.)

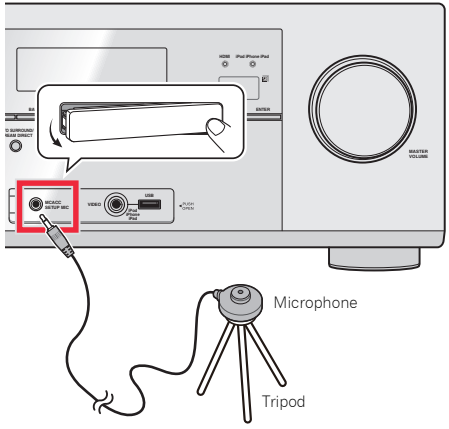


1 Switch on the receiver and your TV.

2 Switch the TV input to the input that connects this receiver to the TV through the corresponding HDMI cable.

3 Connect the microphone to the MCACC SETUP MIC jack on the front panel.

Make sure there are no obstacles between the speakers and the microphone.



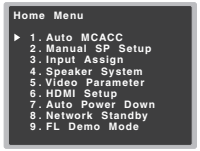
If you have a tripod, use it to place the microphone so that it's about ear level at your normal listening position. Otherwise, place the microphone at ear level using a table or a chair.

4 Press RECEIVER on the remote control, then press the HOME MENU button.

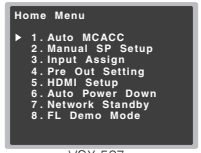
The Home Menu appears on your TV. Use ↑/↓/←/→ and **ENTER** on the remote control to navigate through the screens and select menu items. Press **RETURN** to exit the current menu.

- Press **HOME MENU** at any time to exit the Home Menu. If you cancel the Auto MCACC setup at any time, the receiver automatically exits and no settings will be made.
- The screensaver automatically starts after three minutes of inactivity.

5 Select 'Auto MCACC' from the Home Menu, then press ENTER.



VSX-827



VSX-527

- **Mic In!** blinks when the microphone is not connected to MCACC SETUP MIC jack.

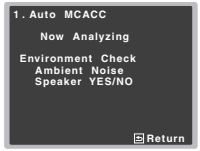
Try to be as quiet as possible after pressing **ENTER**. The system outputs a series of test tones to establish the ambient noise level.

6 Follow the instructions on-screen.

- Make sure the microphone is connected.
- Make sure the subwoofer is on and the volume is turned up.
- When using surround back or front height speakers, turn on the power to the amplifier to which the surround back or front height speakers are connected, and adjust the sound level to the desired level.
- See below for notes regarding background noise and other possible interference.

7 Wait for the test tones to finish.

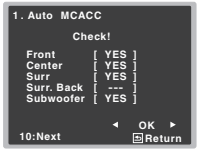
A progress report is displayed on-screen while the receiver outputs test tones to determine the speakers present in your setup. Try to be as quiet as possible while it's doing this.



- For correct speaker settings, do not adjust the volume during the test tones.

8 Confirm the speaker configuration.

The configuration shown on-screen should reflect the actual speakers you have.



- With error messages (such as **Too much ambient noise**) select **RETRY** after checking for ambient noise (see *Other problems when using the Auto MCACC setup* below).

If the speaker configuration displayed isn't correct, use ⬆/⬇ to select the speaker and ⬅/➡ to change the setting. When you're finished, go to the next step.

If you see an error message (**ERR**) in the right side column, there may be a problem with the speaker connection. If selecting **RETRY** doesn't fix the problem, turn off the power and check the speaker connections.

9 Make sure 'OK' is selected, then press ENTER.

If the screen in step 8 is left untouched for 10 seconds and **ENTER** is not pressed in step 9, the Auto MCACC setup will start automatically as shown.

A progress report is displayed on-screen while the receiver outputs more test tones to determine the optimum receiver settings for channel level, speaker distance, and Acoustic Calibration EQ.

Again, try to be as quiet as possible while this is happening. It may take 1 to 3 minutes.

10 The Auto MCACC setup has finished! You return to the Home Menu.

The settings made in the Auto MCACC setup should give you excellent surround sound from your system, but it is also possible to adjust these settings manually using the Home Menu (starting on page 47).

Note

- Depending on the characteristics of your room, sometimes identical speakers with cone sizes of around 12 cm will end up with different size settings. You can correct the setting manually using the *Speaker Setting* on page 47.
- The subwoofer distance setting may be farther than the actual distance from the listening position. This setting should be accurate (taking delay and room characteristics into account) and generally does not need to be changed.

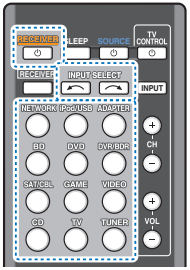
Other problems when using the Auto MCACC setup

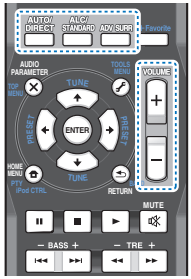
If the room environment is not optimal for the Auto MCACC setup (too much background noise, echo off the walls, obstacles blocking the speakers from the microphone) the final settings may be incorrect. Check for household appliances (air conditioner, fridge, fan, etc.), that may be affecting the environment and switch them off if necessary. If there are any instructions showing in the front panel display, please follow them.

- Some older TVs may interfere with the operation of the microphone. If this seems to be happening, switch off the TV when doing the Auto MCACC setup.

Playing a source

Here are the basic instructions for playing a source (such as a DVD disc) with your home theater system.





1 Switch on your system components and receiver.

Start by switching on the playback component (for example a DVD player), your TV and subwoofer (if you have one), then the receiver (press ⏻**RECEIVER**).

- Make sure the setup microphone is disconnected.

2 Switch the TV input to the input that connects this receiver.

For example, if you connected this receiver to the **VIDEO** jacks on your TV, make sure that the **VIDEO** input is now selected.

3 Press input function buttons to select the input function you want to play.

- The input of the receiver will switch over, and you will be able to operate other components using the remote control. To operate the receiver, first press RECEIVER on the remote control, then press the appropriate button to operate.
- The input source can also be selected by using **INPUT SELECT** ↶↷ buttons on the remote control, or by using the front panel **INPUT SELECTOR** dial. In this case, the remote control won't switch operational modes.

If you selected the proper input source and there is still no sound, select the audio input signal for playback (see *Selecting the audio input signal* below).

4 Press AUTO/DIRECT to select 'AUTO SURROUND' and start playback of the source.

If you're playing a Dolby Digital or DTS surround sound DVD disc, with a digital audio connection, you should hear surround sound. If you're playing a stereo source or if the connection is an analog audio connection, you will only hear sound from the front left/right speakers in the default listening mode.

It is possible to check on the front panel display whether or not surround sound playback is being performed properly.

When using a surround back speaker, **DD+PLIIx** is displayed when playing Dolby Digital 5.1-channel signals, and **DTS+NEO:6** is displayed when playing DTS 5.1-channel signals.

When not using a surround back speaker, **DD** is displayed when playing Dolby Digital signals.

If the display does not correspond to the input signal and listening mode, check the connections and settings.

Note

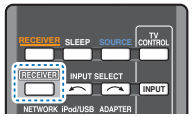
- You may need to check the digital audio output settings on your DVD player or digital satellite receiver. It should be set to output Dolby Digital, DTS and 88.2 kHz/96 kHz PCM (2 channel) audio, and if there is an MPEG audio option, set this to convert the MPEG audio to PCM.
- Depending on your DVD player or source discs, you may only get digital 2 channel stereo and analog sound. In this case, the receiver must be set to a multichannel listening mode if you want multichannel surround sound.

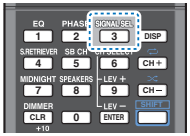
5 Use VOLUME +/– to adjust the volume level.

Turn down the volume of your TV so that all sound is coming from the speakers connected to this receiver.

Selecting the audio input signal

The audio input signal can be selected for each input source. Once it is set, the audio input that was selected will be applied whenever you select the input source using the input function buttons.





Press RECEIVER, then press SIGNAL SEL to select the audio input signal corresponding to the source component.

Each press cycles through the following:

- **H** – Selects an HDMI signal. **H** can be selected for **BD**, **DVD**, **SAT/CBL**, **DVR/BDR**, **VIDEO** or **GAME** input. For other inputs, **H** cannot be selected.
  - When the **HDMI** option in *Setting the Audio options* on page 37 is set to **THRU**, the sound will be heard through your TV, not from this receiver.
- **A** – Selects the analog inputs.
- **C1**/**O1** – Selects the digital input. The coaxial 1 input is selected for **C1**, and the optical 1 audio input is selected for **O1**.

When **H** (HDMI) or **C1**/**O1** (digital) is selected and the selected audio input is not provided, **A** (analog) is automatically selected.

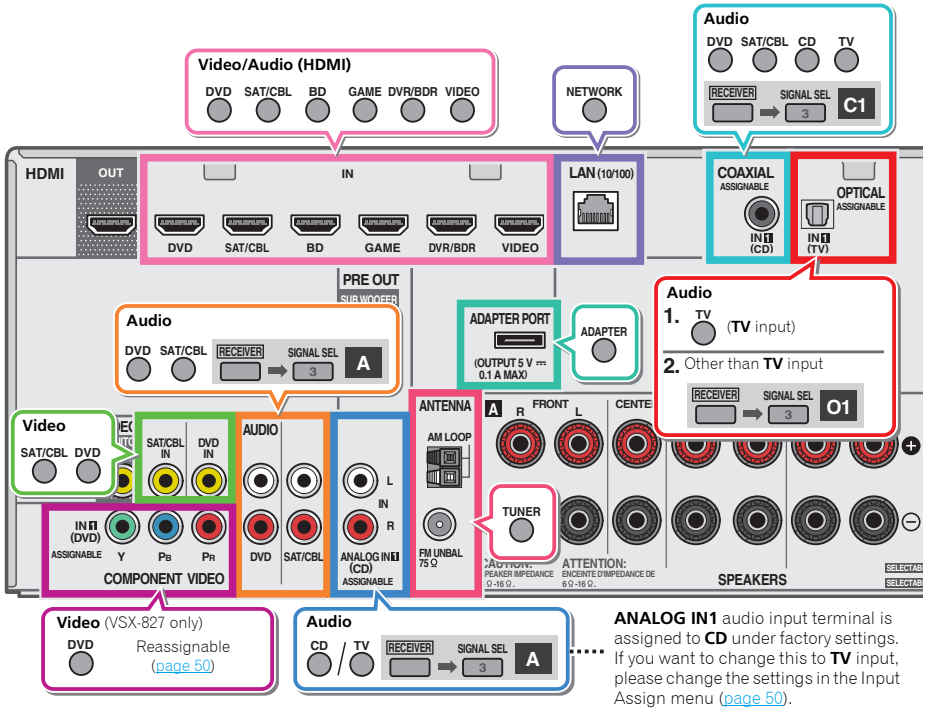
Note

- **BD**, **DVR/BDR**, **VIDEO** and **GAME** inputs are fixed to **H** (HDMI). It cannot be changed.
- For the **TV** input, only **A** (analog) or **C1**/**O1** (digital) can be selected. However, if the **ARC** at **HDMI Setup** is set to **ON**, the input is fixed to **H** (HDMI) and cannot be changed.
- When set to **H** (HDMI) or **C1**/**O1** (digital), DD lights when a Dolby Digital signal is input, and **DTS** lights when a DTS signal is input.
- When the **H** (HDMI) is selected, the **A** and **DIGITAL** indicators are off (see page 8).

- When digital input (optical or coaxial) is selected, this receiver can only play back Dolby Digital, PCM (32 kHz to 96 kHz) and DTS (including DTS 96 kHz/24 bit) digital signal formats. The compatible signals via the HDMI terminals are: Dolby Digital, DTS, SACD (DSD 2 ch only), PCM (32 kHz to 192 kHz sampling frequencies), Dolby TrueHD, Dolby Digital Plus, DTS-EXPRESS, DTS-HD Master Audio and DVD Audio (including 192 kHz). With other digital signal formats, set to **A** (analog).
- You may get digital noise when a LD or CD player compatible with DTS is playing an analog signal. To prevent noise, make the proper digital connections (page 15) and set the signal input to **C1**/**O1** (digital).
- Some DVD players don't output DTS signals. For more details, refer to the instruction manual supplied with your DVD player.

Tip

- In order to enjoy the picture and/or sound from devices connected to each terminal, select the input by doing the following.



ANALOG IN1 audio input terminal is assigned to **CD** under factory settings. If you want to change this to **TV** input, please change the settings in the Input Assign menu (page 50).

Playing an iPod

This receiver has the **iPod iPhone iPad USB** terminal that will allow you to control playback of audio content from your iPod using the controls of this receiver.

Important

- Pioneer cannot under any circumstances accept responsibility for any direct or indirect loss arising from any inconvenience or loss of recorded material resulting from the iPod failure.
- About one minute is required between turning the power on and completion of startup.

Note

- This receiver is compatible with the audio and video of the iPod nano 3G/4G/5G/6G (audio only for the iPod nano 6G), iPod touch 1G/2G/3G/4G, iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPad and iPad 2. However, some of the functions may be restricted for some models. The receiver is not compatible with the iPod shuffle.
- This receiver has been developed and tested for the software version of iPod/iPhone/iPad indicated on the website of Pioneer (http://pioneer.jp/homeav/support/ios/eu/).
- Installing software versions other than indicated on the website of Pioneer to your iPod/iPhone/iPad may result in incompatibility with this receiver.
- iPod, iPhone and iPad are licensed for reproduction of non-copyrighted materials or materials the user is legally permitted to reproduce.
- Features such as the equalizer cannot be controlled using this receiver, and we recommend switching the equalizer off before connecting.
- Make sure the receiver is in standby when disconnecting the iPod/iPhone/iPad.

1 Switch on the receiver and your TV.

See *Connecting an iPod* on page 22.

2 Switch the TV input so that it connects to the receiver.

- Switch the TV input to the input that connects this receiver to the TV through the corresponding HDMI cable.

3 Press iPod/USB to switch the receiver to the iPod/USB input.

When the display shows the names of folders and files, you're ready to play music from the iPod.

- If after pressing **iPod/USB** the display shows **NO DEVICE**, try switching off the receiver and reconnecting the iPod to the receiver.
- The controls of your iPod will be inoperable when connected to this receiver.

Playing back files stored on an iPod

To navigate songs on your iPod, you can take advantage of the OSD of your TV connected to this receiver.

- Note that non-roman characters in the title are displayed as '**#**'.
- This feature is not available for photos or video clips on your iPod.

Finding what you want to play

When your iPod is connected to this receiver, you can browse songs stored on your iPod by playlist, artist, album name, song name, genre or composer, similar to using your iPod directly.

1 Use ↑/↓ to select a category, then press ENTER to browse that category.

- To return to the previous level any time, press **RETURN**.

2 Use ↑/↓ to browse the selected category (e.g., albums).

- Use ←/→ to move to previous/next levels.

3 Continue browsing until you arrive at what you want to play, then press ► to start playback.

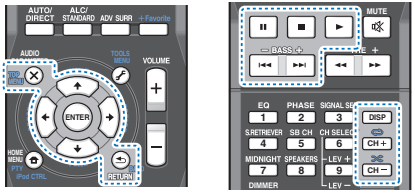
Tip

- If you're in the song category, you can also press **ENTER** to start playback.
- You can play all of the songs in a particular category by selecting the **All** item at the top of each category list. For example, you can play all the songs by a particular artist.

Basic playback controls

This receiver's remote control buttons can be used for basic playback of files stored on an iPod.

- Press **iPod/USB** to switch the remote control to the iPod/USB operation mode.



Watching photos and video content

To view photos or video on your iPod, since video control is not possible using this receiver, you must use the main controls of your iPod instead.

Important

- *VSX-527 only:*
  - In order to display the images or video on the iPod on the receiver, an iPod cable sold separately is required.
  - To play photos or video on your iPod, you must connect the composite **MONITOR OUT** jack and TV. The photos and video content will not appear if you have connected using the HDMI output to your TV.
- iPod photos and video content can be viewed only when the iPod is connected to the **iPod VIDEO** input on the front panel.
- This feature can only be used with an iPod having video output.

1 Press iPod CTRL to switch to the iPod controls for photo and video playback.

The receiver controls will be unavailable while you are watching iPod videos or browsing photos.

2 **Press iPod CTRL again to switch back to the receiver controls when you're done.**

Tip

- Change the receiver's input to the iPod in one action by pressing **iPod iPhone iPad DIRECT CONTROL** on the front panel to enable **iPod** operations on the iPod.

Playing a USB device

It is possible to play files using the USB interface on the front of this receiver.

Important

- Pioneer cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assumes no responsibility for any loss of data that may occur when connected to this receiver.
- About one minute is required between turning the power on and completion of startup.

Note

- Compatible USB devices include external magnetic hard drives, portable flash memory (particularly keydrives) and digital audio players (MP3 players) of format FAT16/32.
- Copyrighted audio files cannot be played back on this receiver.
- With large amounts of data, it may take longer for the receiver to read the contents of a USB device.
- If the file selected cannot be played back, this receiver automatically skips to the next file playable.
- When the file currently being played back has no title assigned to it, the file name is displayed in the OSD instead; when neither the album name nor the artist name is present, the row is displayed as a blank space.
- Make sure the receiver is in standby when disconnecting the USB device.

1 **Switch on the receiver and your TV.**

See *Connecting a USB device* on page 21.

2 **Switch the TV input so that it connects to the receiver.**

- Switch the TV input to the input that connects this receiver to the TV through the corresponding HDMI cable.

3 **Press iPod/USB on the remote control to switch the receiver to the iPod/USB input.**

When the display shows the names of folders and files, you're ready to play from the USB device.

If a **USB Error** message lights in the display, try following the points below:

- Switch the receiver off, then on again.
- Reconnect the USB device with the receiver switched off.
- Select another input source (like **BD**), then switch back to **iPod/USB**.
- Use a dedicated AC adapter (supplied with the device) for USB power.

If this doesn't remedy the problem, it is likely your USB device is incompatible.

Playing back audio files stored on a USB memory device

The maximum number of levels that you can select in Step 1 (below) is 9.

- Note that non-Roman characters in the playlist are displayed as '**#**'.

1 **Use ↑/↓ to select a folder, then press ENTER to browse that folder.**

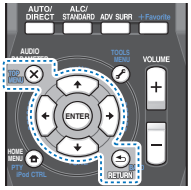
- To return to the previous level any time, press **RETURN**.

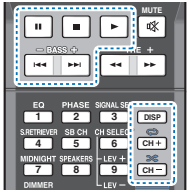
2 **Continue browsing until you arrive at what you want to play, then press ► to start playback.**

Basic playback controls

This receiver's remote control buttons can be used for basic playback of files stored on USB devices.

- Press **iPod/USB** to switch the remote control to the iPod/USB operation mode.





Playing back photo files stored on a USB memory device

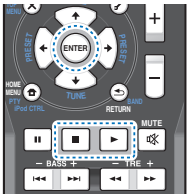
1 **Use ↑/↓ to select a folder, then press ENTER to browse that folder.**

- For high resolution files, some time may be required for the photo to appear.
- To return to the previous level any time, press **RETURN**.

2 **Continue browsing until you arrive at what you want to play, then press ► to start playback.**

The selected content is displayed in full screen and a slideshow starts.

Basic playback controls



ENTER, ► – Starts displaying a photo and playing a slideshow.
■ – Stops the player and returns to the previous menu.

Tip

- Slideshows of photo files can be played while listening to music files by returning to the folder/file list display while playing a music file on a USB device then playing the photo files.

About playable file formats

The USB function of this receiver supports the following file formats. Note that some file formats are not available for playback although they are listed as playable file formats.

Music files

Extension	Stream	
MP3 (MPEG-1 Audio Layer 3)		
.mp3[a]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	8 kbps to 320 kbps
	VBR/CBR	Supported/Supported
WAV (LPCM)		
.wav	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
	Quantization bitrate	16 bit, 24 bit
	Channel	2 ch
WMA (WMA2/7/8/9)		
.wma[b]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	5 kbps to 320 kbps
	VBR/CBR	Supported/Supported
AAC (MPEG-4 AAC LC, MPEG-4 HE AAC (aacPlus v1/2))		
.m4a[c] .aac .3gp .3g2	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	16 kbps to 320 kbps
	VBR/CBR	Supported/Supported
FLAC		
.flac[d]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
	Quantization bitrate	16 bit, 24 bit
	Channel	2 ch

a. *MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.*

b. Files encoded using Windows Media Codec 9 may be playable but some parts of the specification are not supported; specifically, Pro, Lossless, Voice.

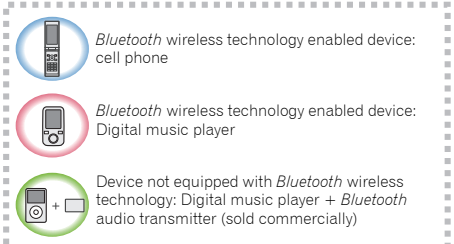
c. Apple lossless encoding is not supported.

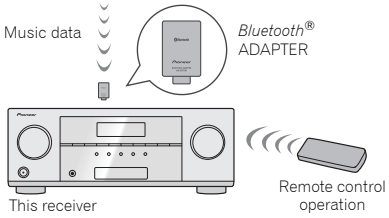
d. Uncompressed FLAC files are not supported. Pioneer does not guarantee playback.

Photo files

Extension	Format
JPEG	
.jpg	Meeting the following conditions: • Baseline JPEG format • Y:Cb:Cr - 4:2:2

Bluetooth® ADAPTER for Wireless Enjoyment of Music


Bluetooth wireless technology enabled device: cell phone
Bluetooth wireless technology enabled device: Digital music player
Device not equipped with *Bluetooth* wireless technology: Digital music player + *Bluetooth* audio transmitter (sold commercially)



Wireless music play

When the *Bluetooth* ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with *Bluetooth* wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly. Also, by using a commercially available transmitter supporting *Bluetooth* wireless technology, you can listen to music on a device not equipped with *Bluetooth* wireless technology. The AS-BT100 and AS-BT200 model supports SCMS-T contents protection, so music can also be enjoyed on devices equipped with SCMS-T type *Bluetooth* wireless technology.

- The Air Jam function cannot be used with the AS-BT100.
- It must be necessary that the *Bluetooth* wireless technology enabled device supports A2DP profiles.

Important

- Pioneer does not guarantee proper connection and operation of this unit with all *Bluetooth* wireless technology enabled devices.
- About one minute is required between turning the power on and completion of startup.

Remote control operation

The remote control supplied with this unit allows you to play and stop media, and perform other operations.

- It must be necessary that the *Bluetooth* wireless technology enabled device supports AVRCP profiles.
- Remote control operations cannot be guaranteed for all *Bluetooth* wireless technology enabled devices.

Pairing the *Bluetooth* ADAPTER and *Bluetooth* wireless technology device

"Pairing" must be done before you start playback of *Bluetooth* wireless technology content using *Bluetooth* ADAPTER. Make sure to perform pairing first time you operate the system or any time pairing data is cleared. "Pairing" is the step necessary to register *Bluetooth* wireless technology device to enable *Bluetooth* communications. For more details, see also the operating instructions of your *Bluetooth* wireless technology device.

- Pairing is required when you first use *Bluetooth* wireless technology device and *Bluetooth* ADAPTER.
- To enable *Bluetooth* communication, pairing should be done with both of your system and *Bluetooth* wireless technology device.
- If the *Bluetooth* wireless technology device's security code is "0000", there is no need to make the security code setting on the receiver. Press **ADAPTER** to switch the **ADAPTER** input, then conduct the pairing operation on the *Bluetooth* wireless technology device. If pairing is successful, there is no need to performing the pairing operation below.
- When using the AS-BT200 only: This unit complies with *Bluetooth* Specifications Ver. 2.1. When this unit and another device equipped with *Bluetooth* wireless technology both comply with *Bluetooth* Specification Ver. 2.1, pairing of the two may be possible without the need for inputting a password.
  In this case, a passcode may be displayed on this receiver and on the device equipped with *Bluetooth* wireless technology. If this happens, check that the same passcode is displayed on this receiver and the device equipped with *Bluetooth* wireless technology, then press **ENTER**. After this, also perform the connection operation on the *Bluetooth* device to be connected. If the passcode does not match the code displayed on the *Bluetooth* device to be connected, press **RETURN** to cancel pairing, then try starting over.
  Press **ADAPTER** to set the **ADAPTER** input, then conduct the pairing operation on the *Bluetooth* wireless technology device. If pairing is successful, there is no need to performing the pairing operation below.
- Pair one unit at a time.
- When connecting this receiver by *Bluetooth* connections with a device equipped with the *Bluetooth* function to listen to music, do not connect any devices other than this receiver by *Bluetooth* connection to the *Bluetooth*-equipped device. If a *Bluetooth* connection is already established with a device other than this receiver, disconnect the other device before connecting this receiver.

1 Press ADAPTER to switch the receiver to ADAPTER input.

2 Press TOP MENU to select Bluetooth Setup.

3 Use ↑/↓ to select PIN, then press ENTER.

4 Use ↑/↓ to select one of PIN codes 0000, 1234 or 8888, then press ENTER.

You can use any of **0000**/**1234**/**8888** PIN codes. *Bluetooth* wireless technology device using any other PIN code cannot be used with this system.

5 Switch on the *Bluetooth* wireless technology device that you want to make pairing, place it near the system and set it into the pairing mode.

6 Check to see that the *Bluetooth* ADAPTER is detected by the *Bluetooth* wireless technology device.

When Bluetooth wireless technology device is connected:
Bluetooth wireless technology device name appears in the receiver display.

- The system can display alphanumeric characters only. Other characters may not be displayed correctly.

When Bluetooth wireless technology device is not connected:

WAITING appears in the receiver display. In this case, perform the connection operation from the side of the *Bluetooth* wireless technology device.

7 **From the *Bluetooth* wireless technology device list, select *Bluetooth* ADAPTER and enter the PIN code selected in the step 4.**

- PIN code may in some case be referred to as PASSKEY.

Listening to Music Contents of *Bluetooth* wireless technology device with Your System

1 **Press ADAPTER to switch the receiver to ADAPTER input.**

The **ADAPTER** input can also be selected by pressing **SOUND RETRIEVER AIR** on the front panel. In this case, **S.R AIR**, the optimum listening mode, is selected automatically.

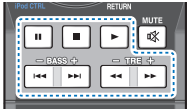
2 **Perform the connection operation from the side of the *Bluetooth* wireless technology device to the *Bluetooth* ADAPTER.**

- When the *Bluetooth* ADAPTER is not plugged into the **ADAPTER PORT** terminal, **NO ADP** will be displayed if **ADAPTER** input is selected.

3 **Start playback of music contents stored in *Bluetooth* wireless technology device.**

This receiver's remote control buttons can be used for basic playback of files stored on the *Bluetooth* wireless technology device.

- *Bluetooth* wireless technology device should be compatible with AVRCP profile.
- Depending on *Bluetooth* wireless technology device you use, operation may differ from what is shown in the remote control buttons.



4 **While listening to a source, press RECEIVER then press ADV SURR repeatedly to select S.R AIR.**

AIR JAM

Air Jam – a Pioneer-exclusive application and available for free.

Air Jam lets you connect multi compatible devices to this unit using *Bluetooth* wireless technology. With it, you can make a group playlist directly on a supported device to play in your home theater through the unit. You and your friends can add songs from your devices to the playlist. Also Air Jam lets you delete the song before anyone has to hear it.

1 **Press ADAPTER to switch the receiver to ADAPTER input.**

2 **Press TOP MENU to select Bluetooth Setup.**

3 **Use ↑/↓ to select 'Air Jam', then press ENTER.**

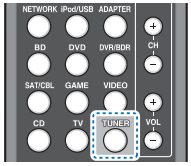
4 **Use ↑/↓ to select 'Air Jam ON', then press ENTER.**

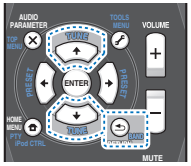
For more details on using Air Jam, access our website.
http://pioneer.jp/support/soft/iapp_airjam/en.html

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by PIONEER CORPORATION is under license. Other trademarks and trade names are those of their respective owners.

Listening to the radio

The following steps show you how to tune in to FM and AM radio broadcasts using the automatic (search) and manual (step) tuning functions. Once you are tuned to a station you can memorize the frequency for recall later—see *Saving station presets below* for more on how to do this.





1 Press TUNER to select the tuner.

2 Use BAND to change the band (FM or AM), if necessary.

Each press switches the band between FM (stereo or mono) and AM.

3 Tune to a station.

There are three ways to do this:

❖Automatic tuning

To search for stations in the currently selected band, press and hold **TUNE** ↑/↓ for about a second. The receiver will start searching for the next station, stopping when it has found one. Repeat to search for other stations.

❖Manual tuning

To change the frequency one step at a time, press **TUNE** ↑/↓.

❖High speed tuning

Press and hold **TUNE** ↑/↓ for high speed tuning. Release the button at the frequency you want.

Improving FM sound

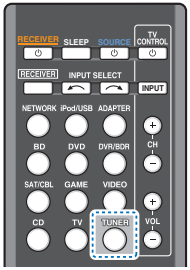
If the **TUNE** or **ST** indicators don't light when tuning to an FM station because the signal is weak, set the receiver to the mono reception mode.

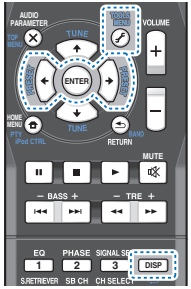
Press BAND to select FM MONO.

This should improve the sound quality and allow you to enjoy the broadcast.

Saving station presets

If you often listen to a particular radio station, it's convenient to have the receiver store the frequency for easy recall whenever you want to listen to that station. This saves the effort of manually tuning in each time. This unit can memorize up to 30 stations.





1 Tune to a station you want to memorize.

See *Listening to the radio above* for more on this.

2 Press TOOLS.

The display shows **PRESET**, then a blinking **MEM** and station preset.

3 Press PRESET ⬅/➡ to select the station preset you want.

You can also use the number buttons.

4 Press ENTER.

The preset number stop blinking and the receiver stores the station.

Note

- If the receiver is left disconnected from the AC power outlet for over a month, the station memories will be lost and will have to be reprogrammed.
- Stations are stored in stereo. When the station is stored in the FM MONO mode, it shows as **ST** when recalled.

Listening to station presets

You will need to have some presets stored to do this. See *Saving station presets above* if you haven't done this already.

Press PRESET ⬅/➡ to select the station preset you want.

- You can also use the number buttons on the remote control to recall the station preset.

Naming preset stations

For easier identification, you can name all of your preset stations.

1 Choose the station preset you want to name.

See *Listening to station presets above* for how to do this.

2 Press TOOLS twice.

The cursor at the first character position is blinking on the display.

3 Input the name you want.

Choose a name up to eight characters long.

- Use **PRESET** ⬅/➡ to select character position.
- Use **TUNE** ↑/↓ to select characters.
- The name is stored when **ENTER** is pressed.

Tip

- To erase a station name, follow steps 1 and 2, and press **ENTER** while the display is blank. Press **TOOLS** while the display is blank, to keep the previous name.
- Once you have named a station preset, Press **DISP** to show the name. When you want to return to the frequency display, press **DISP** several times to show the frequency.

An introduction to RDS

Radio Data System (RDS) is a system used by most FM radio stations to provide listeners with various kinds of information—the name of the station and the kind of show they're broadcasting, for example.

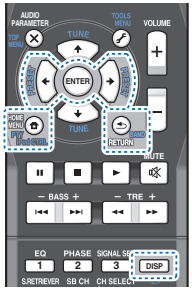
One feature of RDS is that you can search by type of program. For example, you can search for a station that's broadcasting a show with the program type, **JAZZ**.

You can search the following program types:

NEWS – News
AFFAIRS – Current Affairs
INFO – General Information
SPORT – Sport
EDUCATE – Educational
DRAMA – Radio plays, etc.
CULTURE – National or regional culture, theater, etc.
SCIENCE – Science and technology
VARIED – Usually talk-based material, such as quiz shows or interviews.
POP M – Pop music
ROCK M – Rock music
EASY M – Easy listening
LIGHT M – 'Light' classical music
CLASSICS – 'Serious' classical music
OTHER M – Music not fitting above categories
WEATHER – Weather reports
FINANCE – Stock market reports, commerce, trading, etc.
CHILDREN – Programs for children
SOCIAL – Social affairs
RELIGION – Programs concerning religion
PHONE IN – Public expressing their views by phone
TRAVEL – Holiday-type travel rather than traffic announcements
LEISURE – Leisure interests and hobbies
JAZZ – Jazz
COUNTRY – Country music
NATION M – Popular music in a language other than English
OLDIES – Popular music from the '50s and '60s
FOLK M – Folk music
DOCUMENT – Documentary

Note

- In addition, there are three other program types, **ALARM**, **ALARMTST**, and **NO TYPE**. **ALARM** and **ALARMTST** are used for emergency announcements. **NO TYPE** appears when a program type cannot be found.



Searching for RDS programs

You can search for a program type listed above.

1 **Press TUNER then press BAND to select the FM band.**

- RDS is only possible in the FM band.

2 **Press PTY.**

SEARCH shows in the display.

3 **Press PRESET ⇦/⇨ to select the program type you want to hear.**

4 **Press ENTER to search for the program type.**

The system starts searching through the station presets for a match, stopping when it was found one. Repeat to search for other stations.

If **NO PTY** is displayed it means the tuner couldn't find that program type at the time of the search.

- RDS searches station presets only. If no stations have been preset, or if the program type could not be found among the station presets **NO PTY** is displayed.

FINISH means the search is complete.

Displaying RDS information

Use the **DISP** button to display the different types of RDS information available.

Press DISP for RDS information.

Each press changes the display as follows:

- Listening mode
- Master volume
- Radio Text (**RT**) – Messages sent by the radio station. For example, a talk radio station may provide a phone number as RT.
- Program Service Name (**PS**) – The name of the radio station.
- Program Type (**PTY**) – This indicates the kind of program currently being broadcast.
- Current tuner frequency (**FREQ**)

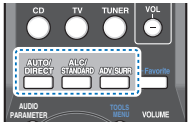
Note

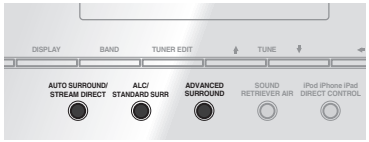
- If any noise is picked up while displaying the RT scroll, some characters may be displayed incorrectly.
- If you see **NO TEXT** in the RT display, it means no RT data is sent from the broadcast station. The display will automatically switch to the PS data display (if no PS data, **NO NAME** is displayed).
- In the PTY display, **NO PTY** may be shown.

Choosing the listening mode

This receiver offers a variety of listening modes to accommodate playback of various audio formats. Choose one according to your speaker environment or the source.

While listening to a source, press the listening mode button repeatedly to select a listening mode you want.





- The listening mode is shown on the display on the front panel.

Important

- The listening modes and many features described in this section may not be available depending on the current source, settings and status of the receiver.

Auto playback

AUTO/ DIRECT — AUTO SURROUND/ STREAM DIRECT

The simplest, most direct listening option is the **AUTO SURROUND** feature. With this, the receiver automatically detects what kind of source you're playing and selects multichannel or stereo playback as necessary.

- Press **AUTO/DIRECT** repeatedly until **AUTO SURROUND** shows briefly in the display (it will then show the decoding or playback format). Check the digital format indicators in the display to see how the source is being processed.

Note

- Stereo surround (matrix) formats are decoded accordingly using **NEO:6 CINEMA** or **DOLBY PLIIx MOVIE** (see *Listening in surround sound* below for more on these decoding formats).
- When listening to the **ADAPTER** input, the **S.R AIR** feature is selected automatically (see *Using the Advanced surround* on page 35 for more on this).

Listening in surround sound

ALC/ STANDARD — ALC/ STANDARD SURR

Using this receiver, you can listen to any source in surround sound. However, the options available will depend on your speaker setup and the type of source you're listening to.

- If the source is Dolby Digital, DTS, or Dolby Surround encoded, the proper decoding format will automatically be selected and shows in the display.

When you select **STEREO ALC** (Auto Level Control stereo mode), this unit equalizes playback sound levels if each sound level varies with the music source recorded in a portable audio player.

When you select **STEREO**, you will hear the source through just the front left and right speakers (and possibly your subwoofer depending on your speaker settings). Dolby Digital and DTS multichannel sources are downmixed to stereo.

The following modes provide basic surround sound for stereo and multichannel sources.

Explanatory notes

No: No connected / Yes: Connected / Two: Two speakers are connected / –: Whether connected or no

Type of surround modes	Suitable sources	Surround back speaker(s)	Front height speakers
Two channel sources			
STEREO ALC	See above.	–	–
DOLBY PLIIx MOVIE	Movie	Yes[a]	No
DOLBY PLII MOVIE		No	–
DOLBY PLIIx MUSIC[b]	Music	Yes[a]	No
DOLBY PLII MUSIC[b]		No	–
DOLBY PLIIx GAME	Video games	Yes[a]	No
DOLBY PLII GAME		No	–
DOLBY PLIIz HEIGHT[c]	Movie/Music	No	Yes
NEO:6 CINEMA[d]	Movie	–	–
NEO:6 MUSIC[d]	Music	–	–
DOLBY PRO LOGIC	Old movies	–	–
Straight Decode[e]	No additional effects	No	–
STEREO[f]	See above.	–	–
Multichannel sources			
STEREO ALC	See above.	–	–
DOLBY PLIIx MOVIE	Movie	Two	No
DOLBY PLIIx MUSIC[b]	Music	Yes	No
DOLBY DIGITAL EX	Movie/Music	Yes	No
DTS-ES	Movie/Music	Yes	No
DTS NEO:6	Movie/Music	Yes	No
DOLBY PLIIz HEIGHT	Movie/Music	No	Yes
Straight Decode[e]	No additional effects	–	–
STEREO[f]	See above.	–	–

a. If surround back channel processing (page 36) is switched off, or the surround back speakers are set to **NO**, **DOLBY PLIIx** becomes **DOLBY PLII** (5.1 channel sound).

b. You can also adjust the **C.WIDTH**, **DIMEN.**, and **PNRM.** effect (see *Setting the Audio options* on page 37).
c. You can also adjust the **H.GAIN** effect (see *Setting the Audio options* on page 37).
d. You can also adjust the **C.IMG** effect (see *Setting the Audio options* on page 37).
e. • *In case of VSX-827:* Cannot be selected when the **Speaker System** is set to **Surr. Back** (see *The Speaker System setting (VSX-827 only)* on page 50).
• *In case of VSX-527:* Cannot be selected when the **Pre Out** is set to **Surr. Back** (see *The Pre Out Setting (VSX-527 only)* on page 51).
f. The audio is heard with your surround settings and you can still use the Midnight, Loudness, Phase Control, Sound Retriever and Tone functions.

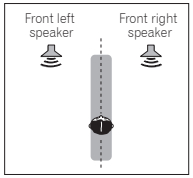
Note

- In modes that give 6.1 channel sound, the same signal is heard from both surround back speakers.

Using the Advanced surround

ADV SURR / ADVANCED SURROUND

The Advanced surround feature creates a variety of surround effects. Try different modes with various soundtracks to see which you like.

ACTION	Designed for action movies with dynamic soundtracks.
DRAMA	Designed for movies with lots of dialog.
ENT.SHOW	Suitable for musical sources.
ADVANCED GAME	Suitable for video games.
SPORTS	Suitable for sports programs.
CLASSICAL	Gives a large concert hall-type sound
ROCK/POP	Creates a live concert sound for rock and/or pop music.
UNPLUGGED	Suitable for acoustic music sources.
EXT.STEREO	Gives multichannel sound to a stereo source, using all of your speakers
F.S.S.ADVANCE (Front Stage Surround ADVANCE)	Allows you to create natural surround sound effects using just the front speakers and the subwoofer. Use to provide a rich surround sound effect directed to the center of where the front left and right speakers sound projection area converges. 
S.R AIR (Sound Retriever AIR)	Suitable for listening to the sound from a *Bluetooth* wireless technology device. The **S.R AIR** listening mode can only selected when the **ADAPTER** input.
PHONES SURR	When listening through headphones, you can still get the effect of overall surround

Using Stream Direct

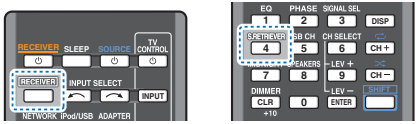
AUTO/DIRECT / AUTO SURROUND/STREAM DIRECT

Use the Stream Direct modes when you want to hear the truest possible reproduction of a source. All unnecessary signal processing is bypassed.

AUTO SURROUND	See *Auto playback* on page 34.
DIRECT	Sources are heard according to the settings made in the Manual SP Setup (speaker setting, channel level, speaker distance), as well as with dual mono settings. You will hear sources according to the number of channels in the signal. Phase Control, Acoustic Calibration EQ, Sound Delay, Auto Delay, LFE Attenuate and Center image functions are available.
PURE DIRECT	Analog and PCM sources are heard without any digital processing.

Using the Sound Retriever

When audio data is removed during the compression process, sound quality often suffers from an uneven sound image. The Sound Retriever feature employs new DSP technology that helps bring CD quality sound back to compressed 2-channel audio by restoring sound pressure and smoothing jagged artifacts left over after compression.



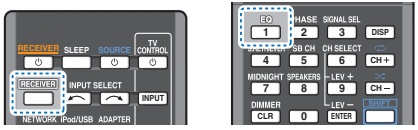
Press RECEIVER, then press S.RETRIEVER to switch the S.RTV (Sound Retriever) ON or OFF.

Note

- The Sound Retriever is only applicable to 2-channel sources.

Listening with Acoustic Calibration EQ

You can listen to sources using the Acoustic Calibration Equalization set in *Automatically setting up for surround sound (MCACC)* on page 23. Refer to these pages for more on Acoustic Calibration Equalization.



While listening to a source, press RECEIVER, then press EQ to switch the EQ (Acoustic Calibration EQ) ON or OFF.

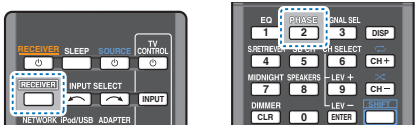
The MCACC indicator on the front panel lights when Acoustic Calibration EQ is active.

- You can't use Acoustic Calibration EQ with Stream Direct mode and it has no effect with headphones.

Better sound using Phase Control

This receiver's Phase Control feature uses phase correction measures to make sure your sound source arrives at the listening position in phase, preventing unwanted distortion and/or coloring of the sound.

Phase Control technology provides coherent sound reproduction through the use of phase matching for an optimal sound image at your listening position. The default setting is on and we recommend leaving Phase Control switched on for all sound sources.



While listening to a source, press RECEIVER, then press PHASE to switch the P.CTL (Phase Control) ON or OFF.

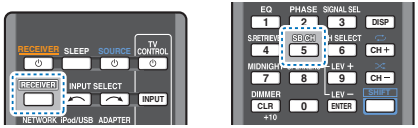
Note

- Phase matching is a very important factor in achieving proper sound reproduction. If two waveforms are 'in phase', they crest and trough together, resulting in increased amplitude, clarity and presence of the sound signal. If a crest of a wave meets a trough, then the sound will be 'out of phase' and an unreliable sound image will be produced.
- If your subwoofer has a phase control switch, set it to the plus (+) sign (or 0°). However, the effect you can actually feel when Phase Control is set to **ON** on this receiver depends on the type of your subwoofer. Set your subwoofer to maximize the effect. It is also recommended you try changing the orientation or the place of your subwoofer.
- Set the built-in lowpass filter switch of your subwoofer to OFF. If this cannot be done on your subwoofer, set the cutoff frequency to a higher value.
- If the speaker distance is not properly set, you may not have a maximized Phase Control effect.
- The Phase Control mode cannot be set to **ON** in the following cases:
  - When the **PURE DIRECT** mode is switched on.
  - When the headphones are connected.

Using surround back channel processing

You can have the receiver automatically use 6.1 or 7.1 decoding for 6.1 encoded sources (for example, Dolby Digital EX or DTS-ES), or you can choose to always use 6.1 or 7.1 decoding (for example, with 5.1 encoded material). With 5.1 encoded sources, a surround back channel will be generated, but the material may sound better in the 5.1 format for which it was originally encoded (in which case, you can simply switch surround back channel processing off).

- With a 7.1-channel surround system, audio signals that have undergone matrix decoding processing through surround back channel processing to which the Up Mix function is added are output from the surround back speakers.



Press RECEIVER, then press SB CH repeatedly to cycle the surround back channel options.

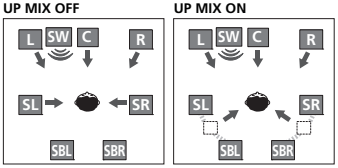
Each press cycles through the options as follows:

- **SB ON** – Matrix decoding processing for generating the surround back component from the surround component is turned on.
- **SB AUTO** – Matrix decoding processing for generating the surround back component from the surround component is switched automatically. Matrix decoding processing is only performed when surround back channel signals are detected in the input signals.
- **SB OFF** – Matrix decoding processing for generating the surround back component from the surround component is turned off.

Setting the Up Mix function

In a 7.1-channel surround system with surround speakers placed directly at the sides of the listening position, the surround sound of 5.1-channel sources is heard from the side. The Up Mix function mixes the sound of the surround speakers with the surround back speakers so that the surround sound is heard from diagonally to the rear as it should be.

- Using the Up Mix function is effective when the speakers in the 7.1-channel surround system are set up as recommended in the example on page 11.
- Depending on the positions of the speakers and the sound source, in some cases it may not be possible to achieve good results. In this case, set the setting to **OFF**.



1 Switch the receiver into standby.

2 While holding down PRESET ➡ on the front panel, and hold the ⏻STANDBY/ON for about two seconds.

UP MIX: OFF appears and the Up Mix function turns off. If you want to turn this function on, perform steps 1 and 2 again.

- When set to **ON**, the ▪▪ (Up Mix) indicator on the front panel lights.

Note

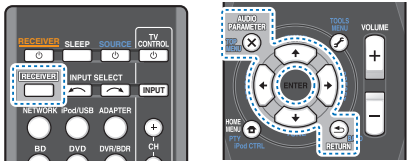
- Set to **ON** regardless of this setting when playing DTS-HD signals.
- May automatically be set to **OFF** even when set to **ON**, depending on the input signal and listening mode.
- If the **Network Standby** is set to **ON**, you may not be able to set the Up Mix function.

Setting the Audio options

There are a number of additional sound settings you can make using the **AUDIO PARAMETER** menu. The defaults, if not stated, are listed in bold.

Important

- Note that if a setting doesn't appear in the **AUDIO PARAMETER** menu, it is unavailable due to the current source, settings and status of the receiver.



1. **Press RECEIVER, then press AUDIO PARAMETER.**
2. **Use ↑/↓ to select the setting you want to adjust.**
   Depending on the current status/mode of the receiver, certain options may not be able to be selected. Check the table below for notes on this.
3. **Use ←/→ to set it as necessary.**
   See the table below for the options available for each setting.
4. **Press RETURN to confirm and exit the menu.**

Setting/What it does	Option(s)
EQ (Acoustic Calibration EQ) Switches on/off the effect of Acoustic Calibration EQ.	**ON** *OFF*
S.DELAY (Sound Delay) Some monitors have a slight delay when showing video, so the soundtrack will be slightly out of sync with the picture. By adding a bit of delay, you can adjust the sound to match the presentation of the video.	0.0 to 9.0 (frames) *1 second = 25 frames (PAL)* Default: **0.0**
MIDNIGHT/LOUDNESS[a] The **MIDNIGHT** allows you to hear effective surround sound of movies at low volumes. The **LOUDNESS** is used to get good bass and treble from music sources at low volumes.	**M/L OFF** *MIDNIGHT* *LOUDNESS*
S.RTV (Sound Retriever)[b] When audio data is removed during the compression process, sound quality often suffers from an uneven sound image. The Sound Retriever feature employs new DSP technology that helps bring CD quality sound back to compressed 2-channel audio by restoring sound pressure and smoothing jagged artifacts left over after compression.	**OFF**[c] *ON*
DUAL MONO[d] Specifies how dual mono encoded Dolby Digital soundtracks should be played.	**CH1** – Channel 1 is heard only *CH2* – Channel 2 is heard only *CH1 CH2* – Both channels heard from front speakers
F.PCM (Fixed PCM) This is useful if you find there is a slight delay before **OFF** recognizes the PCM signal on a CD, for instance. When **ON** is selected, noise may be output during playback of non-PCM sources. Please select another input signal if this is a problem.	**OFF** *ON*

Setting/What it does	Option(s)
DRC (Dynamic Range Control) Adjusts the level of dynamic range for movie soundtracks optimized for Dolby Digital, DTS, Dolby Digital Plus, Dolby TrueHD, DTS-HD and DTS-HD Master Audio (you may need to use this feature when listening to surround sound at low volumes).	**AUTO**[e] *MAX* *MID* *OFF*
LFE ATT (LFE Attenuate) Some Dolby Digital and DTS audio sources include ultra-low bass tones. Set the LFE attenuator as necessary to prevent the ultra-low bass tones from distorting the sound from the speakers. The LFE is not limited when set to 0 dB, which is the recommended value. When set to –15 dB, the LFE is limited by the respective degree. When OFF is selected, no sound is output from the LFE channel.	**0** (0 dB) *5 (–5 dB)* *10 (–10 dB)* *15 (–15 dB)* *20 (–20 dB)* *** (OFF)*
SACD G. (SACD Gain)[f] Brings out detail in SACDs by maximizing the dynamic range (during digital processing).	**0** (0 dB) *+6 (+6 dB)*
HDMI (HDMI Audio) Specifies the routing of the HDMI audio signal out of this receiver (**AMP**) or through to a TV (**THRU**). When **THRU** is selected, no sound is output from this receiver.	**AMP** *THRU*
A.DLY (Auto Delay)[g] This feature automatically corrects the audio-to-video delay between components connected with an HDMI cable. The audio delay time is set depending on the operational status of the display connected with an HDMI cable. The video delay time is automatically adjusted according to the audio delay time.	**OFF** *ON*
C.WIDTH (Center Width)[h] (Applicable only when using a center speaker) Spreads the center channel between the front right and left speakers, making it sound wider (higher settings) or narrower (lower settings).	0 to 7 Default: **3**

Setting/What it does	Option(s)
DIMEN (Dimension)[h] Adjusts the surround sound balance from front to back, making the sound more distant (minus settings), or more forward (positive settings).	–3 to +3 Default: **0**
PNRM. (Panorama)[h] Extends the front stereo image to include surround speakers for a 'wraparound' effect.	**OFF** *ON*
C.IMG (Center Image)[i] (Applicable only when using a center speaker) Adjust the center image to create a wider stereo effect with vocals. Adjust the effect from **0** (all center channel sent to front right and left speakers) to **10** (center channel sent to the center speaker only).	0 to 10 Default: **3** (NEO:6 MUSIC), **10** (NEO:6 CINEMA)
H.GAIN (Height Gain) Adjusts the output from the front height speaker when listening in **DOLBY PLIIz HEIGHT** mode. If set to **H**, the sound from the top will be more emphasized.	*L (Low)* **M** (Mid) *H (High)*

a. You can change the MIDNIGHT/LOUDNESS options at any time by using **MIDNIGHT** button.

b. You can change the Sound Retriever feature at any time by using **S.RETRIEVER** button.

c. The default setting when the **iPod/USB**, **ADAPTER**, **NETRADIO**, **M.SERVER** or **FAVORITE** input is selected is **ON**.

d. This setting works only with dual mono encoded Dolby Digital and DTS soundtracks.

e. The initial set **AUTO** is only available for Dolby TrueHD signals. Select **MAX** or **MID** for signals other than Dolby TrueHD.

f. You shouldn't have any problems using this with most SACD discs, but if the sound distorts, it is best to switch the gain setting back to **0** dB.

g. This feature is only available when the connected display supports the automatic audio/video synchronizing capability ('lip-sync') for HDMI. If you find the automatically set delay time unsuitable, set **A.DLY** to **OFF** and adjust the delay time manually. For more details about the lip-sync feature of your display, contact the manufacturer directly.

h. Only available with 2-channel sources in **DOLBY PLII MUSIC** mode.

i. Only when listening to 2-channel sources in **NEO:6 CINEMA** and **NEO:6 MUSIC** mode.

Playback with NETWORK features

Introduction

This receiver is equipped with the LAN terminal and you can enjoy the following features by connecting your components to these terminals.

Listening to Internet radio stations

You can select and listen to your favorite Internet radio station from the list of Internet radio stations created, edited, and managed by the vTuner database service exclusively for use with the Pioneer products.

See *Playback with Network functions* on page 40 and *Listening to Internet radio stations* on page 40.

Playback the music files stored in PCs

You can playback a lot of musics stored in your PCs using this unit.

- Besides a PC, you can also play back audio files stored on your other components with the built-in media server function based on DLNA 1.0 or DLNA 1.5 framework and protocols (i.e. network-capable hard disks and audio systems).

See *Playback with Network functions* on page 40 and *Playing back audio files stored on components on the network* on page 41.

Note

- To listen to Internet radio stations, you must sign a contract with an ISP (Internet Service Provider) beforehand.
- Photo or video files cannot be played back.
- With Windows Media Player 11 or Windows Media Player 12, you can even play back copyrighted audio files on this receiver.

About playable DLNA network devices

This unit allows you to play music on media servers connected on an identical Local Area Network (LAN) as the receiver. This unit allows for the playing of files stored on the following devices:

- PCs running Microsoft Windows Vista or XP with Windows Media Player 11 installed
- PCs running Microsoft Windows 7 with Windows Media Player 12 installed
- DLNA-compatible digital media servers (on PCs or other components)

Files stored in a PC or DMS (Digital Media Server) as described above can be played via command from an external Digital Media Controller (DMC). Devices controlled by this DMC to play files are called DMRs (Digital Media Renderers). This receiver supports this DMR function. When in the DMR mode, such operations as playing and stopping files can be performed from the external controller. Volume adjustment and the muting control are also possible. The DMR mode is canceled if the remote control unit is operated while in the DMR mode (aside from certain buttons, including the **VOLUME +/–**, **MUTE** and **DISP**).

- Depending on the external controller being used, playback may be interrupted when the volume is adjusted from the controller. In this case, adjust the volume from the receiver or remote control.

Using AirPlay on iPod touch, iPhone, iPad, and iTunes

AirPlay works with iPhone 4S, iPhone 4, iPhone 3GS, iPod touch (4th, 3rd and 2nd generations), iPad 2, iPad with iOS 4.2 or later, and iTunes 10.1 (Mac and PC) or later.

To use AirPlay, select your receiver on your iPod touch, iPhone, iPad or in iTunes. *1

The receiver's input will switch automatically to AirPlay when AirPlay is in use. *2

The following operations can be performed when in AirPlay mode:

- Adjustment of the receiver's volume from iPod touch, iPhone, iPad or iTunes.
- Pause/resume, next/previous track, and shuffle/repeat from the remote control of the receiver. (Press **NETWORK** to switch the remote control to the network operation mode.)

*1: For more information, see the Apple website (http://www.apple.com).

*2: The receiver's power automatically turns on when **Network Standby** is set to **ON** (page 52).

Note

- A network environment is required to use AirPlay.
- AirPlay provided on this receiver has been developed and tested based on the software versions for the iPod, iPhone, iPad and the software versions for iTunes that are indicated on the Pioneer website. AirPlay may not be compatible with iPod, iPhone, iPad or iTunes software versions other than those indicated on the Pioneer website.

About the DHCP server function

To play back audio files stored on components on the network or listen to Internet radio stations, you must turn on the DHCP server function of your router. In case your router does not have the built-in DHCP server function, it is necessary to set up the network manually. Otherwise, you cannot play back audio files stored on components on the network or listen to Internet radio stations. See *The Network Setup menu* on page 41 for more on this.

Authorizing this receiver

This receiver must be authorized to enable playback. This happens automatically when the receiver makes a connection over the network to the PC. If not, please authorize this receiver manually on the PC. The authorization (or permission) method for access varies depending on the type of server currently being connected. For more information on authorizing this receiver, refer to the instruction manual of your server.

Playback with Network functions

Important

- In case a domain is configured in a Windows network environment, you cannot access a PC on the network while you are logged onto the domain. Instead of logging onto the domain, log onto the local machine.
- There are cases where the time elapsed may not be correctly displayed.
- About one minute is required between turning the power on and completion of startup.

1 Press NETWORK repeatedly to select the category you want to play back.

It may take several seconds for this receiver to access the network.

Select a category from the following list:

- **NETRADIO** – Internet radio
- **M.SERVER** – Server components on the network (Media server)
- **FAVORITE** – Favorite songs currently being registered

Depending on the selected category, the names of folders, files, and Internet radio stations are displayed.

2 Use ↑/↓ to select the folder, music files or Internet radio station to play back, and then press ENTER.

Press ↑/↓ to scroll up and down the list and select the desired item. When you press **ENTER**, playback starts with the playback screen being displayed for the selected item. To return to the list screen, press **RETURN**.

When the list screen is displayed from the playback screen, the playback screen reappears automatically if no operation is performed for 10 seconds while the list screen is displayed.

Only audio files with the ♫ mark can be played. In case of the folders with the 🗀 mark, use ↑/↓ and **ENTER** to select the desired folder and audio files.

3 Repeat step 2 to play back the desired song.

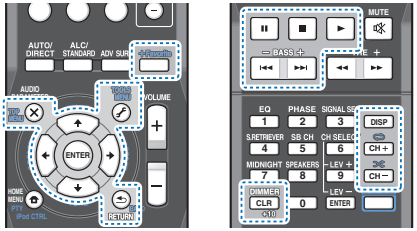
For detailed operating instructions, refer to the section shown below.

- Internet radio stations – See *Listening to Internet radio stations* below.
- Media server – See *Playing back audio files stored on components on the network* on page 41.
- Favorites – See *Playing back your favorite songs* on page 41.

Basic playback controls

You can perform the following operations with the remote control of this receiver. Note that some buttons are not available for operation depending on the category currently being played back.

Press NETWORK to switch the remote control to the NETRADIO, M.SERVER or FAVORITE operation mode.



Listening to Internet radio stations

Internet radio is an audio broadcasting service transmitted via the Internet. There are a large number of Internet radio stations broadcasting a variety of services from every corner of the world. Some are hosted, managed, and broadcast by private individuals while others are by the corresponding traditional terrestrial radio stations or radio networks. Whereas terrestrial, or OTA (over-the-air), radio stations are geographically restricted on the range of radio waves broadcast from a transmitter through the air, Internet radio stations are accessible from anywhere in the world, as long as there is a connection to the Internet, as services are not transmitted through the air but are delivered over the World Wide Web. On this receiver you can select Internet radio stations by genre as well as by region.

Depending on the Internet line conditions, the sound may not be smooth when playing Internet radio.

About list of Internet radio

The list of Internet radio stations on this receiver is created, edited, and managed by the vTuner database service exclusively for use with this receiver. For details about vTuner, see *vTuner* on page 45.

Saving and retrieving Internet radio stations

You can easily save and retrieve saved Internet radio stations. See *Playing back your favorite songs* on page 41 for more on this.

- To listen to Internet radio stations, you must have high-speed broadband Internet access. With a 56 K or ISDN modem, you may not enjoy the full benefits of Internet radio.
- The port number varies depending on the Internet radio station. Check the firewall settings.
- A list of Internet radio stations provided by the vTuner database service is subject to change or deletion without notice due to various reasons.
- Broadcasts may be stopped or interrupted depending on the Internet radio station. In this case, you cannot listen to a radio station selected from the list of Internet radio stations.

Registering broadcast stations not on the vTuner list from the special Pioneer site

With the receiver, broadcast stations not included on the list of station distributed by vTuner can be registered and played. Check the access code required for registration on the receiver, use this access code to access the special Pioneer Internet radio site and register the desired broadcast stations in your favorites. The address of the special Pioneer Internet radio site is:

http://www.radio-pioneer.com

1 Display the Internet Radio list screen.

To display the Internet Radio list screen, perform step 1 at *Playback with Network functions* on page 40.

2 Use ↑/↓ to select 'Help', then press ENTER.

3 Use ↑/↓ to select 'Get access code', then press ENTER.

The access code required for registration on the special Pioneer Internet radio site is displayed. Make a memo of this address.

The following can be checked on the **Help** screen:

- **Get access code** – The access code required for registration on the special Pioneer Internet radio site is displayed.
- **Show Your WebID/PW** – After registering on the special Pioneer Internet radio site, the registered ID and password are displayed.
- **Reset Your WebID/PW** – Resets all the information registered on the special Pioneer Internet radio site. When reset, all the registered broadcast stations are also cleared. If you want to listen to the same stations, re-register after resetting.

4 Access the special Pioneer Internet radio site from your computer and perform the registration process.

http://www.radio-pioneer.com

Access the above site and use the access code in step 3 to perform user registration, following the instructions on the screen.

5 Register the desired broadcast stations as your favorites, following the instructions on the computer's screen.

Both broadcast stations not on the vTuner list and stations on the vTuner list can be registered. In this case they are registered on the receiver as favorite broadcast stations and can be played.

Playing back audio files stored on components on the network

This unit allows you to play music on media servers connected on an identical Local Area Network (LAN) as the receiver. This unit allows for the playing of files stored on the following devices:

- PCs running Microsoft Windows Vista or XP with Windows Media Player 11 installed
- PCs running Microsoft Windows 7 with Windows Media Player 12 installed
- DLNA-compatible digital media servers (on PCs or other components)

Playing back your favorite songs

Up to 64 favorite tracks on the media server and/or Internet radio stations can be registered in the Favorites folder. Note that only the audio files stored on components on the network can be registered.

Registering and deleting audio files and Internet radio stations in and from the Favorites folder

1 Press NETWORK to switch the remote control to the M.SERVER or NETRADIO operation mode.

2 With the track or Internet radio station you want to register selected, press +Favorite.

The selected song or Internet radio station is then registered in the Favorite.

Note

- To delete tracks or Internet radio stations that have been registered, set the input to **FAVORITE**, select the track or station to be deleted, then press **CLEAR** button.

The Network Setup menu

Setting up the network to listen to Internet radio on this receiver.

1 Press NETWORK repeatedly to switch the receiver to NETRADIO input.

2 Press HOME MENU.

Network Setup menu appears on your TV. Use ↑/↓/←/→ and **ENTER** on the remote control to navigate through the screens and select menu items. Press **RETURN** to exit the current menu.

- Press **HOME MENU** at any time to exit the Network Setup menu.

3 Select the setting you want to adjust.

- **Network Configuration**
  - **IP Address, Proxy** – Sets up the IP address/Proxy of this receiver (see below).
  - **Friendly Name** – The name of the receiver displayed on a computer or other device connected to the network can be changed (see below).
  - **Parental Lock** – Restricts usage of network functions (page 42).
- **Language** – Language can be set the NETWORK function OSD screen (page 43).
- **Firmware Update** – Use to update the receiver's software and check the version (page 43).
- **Factory Reset** – Use to reset all network connection settings to their initial, factory-setting condition (page 43).
- **System Info** – You can check the network settings of this receiver (page 43).

Network Configuration

IP address/Proxy setting

In case the router connected to the LAN terminal on this receiver is a broadband router (with a built-in DHCP server function), simply turn on the DHCP server function, and you will not need to set up the network manually. You must set up the network as described below only when you have connected this receiver to a broadband router without a DHCP server function. Before you set up the network, consult with your ISP or the network manager for the required settings. It is advised that you also refer to the operation manual supplied with your network component.

- **IP Address**
  The IP address to be entered must be defined within the following ranges. If the IP address defined is beyond the following ranges, you cannot play back audio files stored on components on the network or listen to Internet radio stations.
  Class A: 10.0.0.1 to 10.255.255.254
  Class B: 172.16.0.1 to 172.31.255.254
  Class C: 192.168.0.1 to 192.168.255.254
- **Subnet Mask**
  In case an xDSL modem or a terminal adapter is directly connected to this receiver, enter the subnet mask provided by your ISP on paper. In most cases, enter 255.255.255.0.
- **Default Gateway**
  In case a gateway (router) is connected to this receiver, enter the corresponding IP address.
- **Primary DNS Server/Secondary DNS Server**
  In case there is only one DNS server address provided by your ISP on paper, enter it in the "**Primary DNS Server**" field. In case there are more than two DNS server addresses, enter "**Secondary DNS Server**" in the other DNS server address field.
- **Proxy Hostname/Proxy Port**
  This setting is required when you connect this receiver to the Internet via a proxy server. Enter the IP address of your proxy server in the "**Proxy Hostname**" field. Also, enter the port number of your proxy server in the "**Proxy Port**" field.

1 **Select 'Network Configuration' from the Network Setup menu.**

2 **Select 'IP Address, Proxy' from the Network Configuration menu.**

3 **Select the DHCP setting you want.**
When you select **ON**, the network is automatically set up, and you do not need to follow Steps 4. Proceed with Step 5.
If there is no DHCP server on the network and you select **ON**, this receiver will use its own Auto IP function to determine the IP address.
- The IP address determined by the Auto IP function is 169.254.X.X. You cannot listen to an Internet radio station if the IP address is set for the Auto IP function.

4 **Enter the IP Address, Subnet Mask, Default Gateway, Primary DNS Server and Secondary DNS Server.**
Press ↑/↓ to select a number and ←/→ to move the cursor.

5 **Select 'OFF' or 'ON' for the Enable Proxy Server setting to deactivate or activate the proxy server.**
In case you select **OFF**, proceed with Step 8. In case you select **ON**, on the other hand, proceed with Step 6.

6 **Enter the address of your proxy server or the domain name.**
Use ↑/↓ to select a character, ←/→ to set the position, and **ENTER** to confirm your selection.

7 **Enter the port number of your proxy server.**
Use ↑/↓ to select a character, ←/→ to set the position, and **ENTER** to confirm your selection.

8 **Select 'OK' to confirm the IP Address/Proxy setup.**

Friendly Name

1 **Select 'Network Configuration' from the Network Setup menu.**

2 **Select 'Friendly Name' from the Network Configuration menu.**

3 **Select 'Edit Name' then select 'Rename'.**
If after changing the name you want to restore the name to the default, select **Default**.

4 **Input the name you want.**
Use ↑/↓ to select a character, ←/→ to set the position, and **ENTER** to confirm your selection.

Parental Lock

Set restrictions for using Internet services. Also set the password accompanying the usage restrictions.
- Upon shipment from the factory, the password is set to "0000".

1 **Select 'Network Configuration' from the Network Setup menu.**

2 **Select 'Parental Lock' from the Network Configuration menu.**

3 **Input the password.**
Use ↑/↓ to select a character, ←/→ to set the position, and **ENTER** to confirm your selection.

4 **Specify whether to turn Parental Lock on or off.**
- **OFF** – Internet services are not restricted.
- **ON** – Internet services are restricted.

5 **If you want to change the password, select 'Change Password'.**
In this case, the procedure returns to step 3.

Language

Language can be set on the NETWORK function OSD screen.

1. **Select 'Language' from the Network Setup menu.**
2. **Select the language you want.**
3. **When you're finished, press RETURN.**
   You return to the Network Setup menu.

Firmware Update

Use this procedure to update the receiver's software.

Updating via a USB memory device is performed by downloading the update file from a computer, reading this file onto a USB memory device then inserting this USB memory device into the USB port on the receiver's front panel. With this procedure, the USB memory device containing the update file must first be inserted into the USB port on the receiver's front panel.

- If an update file is provided on the Pioneer website, download it onto your computer. When downloading an update file from the Pioneer website onto your computer, the file will be in ZIP format. Unzip the ZIP file before saving it on the USB memory device. If there are any old downloaded files or downloaded files for other models on the USB memory device, delete them.

Important

- DO NOT unplug the power cord during updating.
- Do not disconnect the USB memory device during updating.
- Verify the software version of the receiver in the **System Info** menu before updating and confirm that the software in the USB memory device is a newer version.
- Updating may reset the receiver's settings to the initial, factory-setting condition. Whether this is applicable to your receiver can be confirmed at our Pioneer website.

1. **Select 'Firmware Update' from the Network Setup menu.**
   The receiver checks whether the USB memory device inserted into the USB port on the receiver's front panel contains updatable software.
2. **To update, select 'Start'.**
3. **When 'Updating in progress, don't unplug!' is displayed, select 'OK'.**
   - If '**File Not Found**' is displayed, try the following:
     - No update file was found on the USB memory device. Store the file in the USB memory device's root directory.
     - Try disconnecting then reconnecting the USB device or storing the update file again. If the error still occurs, try using a different USB memory device.
4. **The software update will start. Please wait.**
   The OSD display will turn off during update and the words '**UPDATE**' will flash on the front panel.
5. **If 'COMPLETE' is displayed, updating is completed.**
   The screen will return automatically to the play screen.
   - If '**FAIL**' is displayed on the front panel display, updating has failed. Try the following:
     - Turn the receiver's power off, then turn it back on and try updating the software again.
     - Try disconnecting then reconnecting the USB device or storing the update file again. If the error still occurs, try using a different USB memory device.

Factory Reset

Use to reset all network connection settings to their initial, factory-setting condition.

1. **Select 'Factory Reset' from the Network Setup menu.**
2. **Select 'Start'.**
3. **Select 'OK' to confirm.**
   The screen will return automatically to the play screen.

System Information

The setting status of the following network-related items can be checked.

- IP Address – Check the IP address of this receiver.
- MAC Address – Check the MAC address of this receiver.
- Release ID – Check the software version of this receiver.

1. **Select 'System Info' from the Network Setup menu.**
   Display the setting status of the network-related items.
2. **When you're finished, press RETURN.**
   You return to the Network Setup menu.

About network playback

The network playback function of this unit uses the following technologies:

Windows Media Player

See *Windows Media Player 11/ Windows Media Player 12* on page 45 for more on this.

Windows Media DRM

Microsoft Windows Media Digital Rights Management (WMDRM) is a platform to protect and securely deliver content for playback on computers, portable devices and network devices. This unit's functions as a WMDRM 10 for networked devices. WMDRM protected content can only be played on media servers supporting WMDRM.

Content owners use WMDRM technology to protect their intellectual property, including copyrights. This device uses WMDRM software to access WMDRM protected content. If the WMDRM software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect unprotected content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

DLNA

DLNA CERTIFIED™ Audio Player

The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. Digital Living provides consumers with easy sharing of digital media through a wired or wireless network in the home.

The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with DLNA Interoperability Guidelines v1.5.

When a PC running DLNA server software or other DLNA compatible device is connected to this player, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.

DLNA™, the DLNA Logo and DLNA CERTIFIED™ are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

Content playable over a network

- Even when encoded in a compatible format, some files may not play correctly.
- Movie or Photo files cannot be played back.
- There are cases where you cannot listen to an Internet radio station even if the station can be selected from a list of radio stations.
- Some functions may not be supported depending on the server type or version used.
- Supported file formats vary by server. As such, files not supported by your server are not displayed on this unit. For more information check with the manufacturer of your server.

Disclaimer for Third Party Content

Access to content provided by third parties requires a high speed internet connection and may also require account registration and a paid subscription.

Third party content services may be changed, suspended, interrupted, or discontinued at any time without notice, and Pioneer disclaims any liability in connection with such occurrences.

Pioneer does not represent or warrant that content services will continue to be provided or available for a particular period of time, and any such warranty, express or implied, is disclaimed.

About playback behavior over a network

- Playback may stall when the PC is switched off or any media files stored on it are deleted while playing content.
- If there are problems within the network environment (heavy network traffic, etc.) content may not be displayed or played properly (playback may be interrupted or stalled). For best performance, a 100BASE-TX connection between player and PC is recommended.
- If several clients are playing simultaneously, as the case may be, playback is interrupted or stalled.
- Depending on the security software installed on a connected PC and the setting of such software, network connection may be blocked.

Pioneer is not responsible for any malfunction of the player and/or the NETWORK features due to communication error/malfunctions associated with your network connection and/or your PC, or other connected equipment. Please contact your PC manufacturer or Internet service provider.

"Windows Media™" is a trademark of Microsoft Corporation.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

Microsoft®, Windows®7, Windows®Vista, Windows®XP, Windows®2000, Windows®Millennium Edition, Windows®98, and WindowsNT® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Glossary

aacPlus

AAC decoder uses aacPlus developed by Coding Technologies. (www.codingtechnologies.com)

FLAC

FLAC (Free Lossless Audio Codec) is an audio format allows lossless codec. Audio is compressed in FLAC without any loss in quality. For more details about FLAC, visit the following website: http://flac.sourceforge.net/

vTuner

vTuner is a paid online database service that allows you to listen to radio and TV broadcasts on the Internet. vTuner lists thousands of stations from over 100 different countries around the globe. For more detail about vTuner, visit the following website:

http://www.radio-pioneer.com

"This product is protected by certain intellectual property rights of NEMS and BridgeCo. Use or distribution of such technology outside of this product is prohibited without a license from NEMS and BridgeCo or an authorized subsidiary."

Windows Media

Windows Media is a multimedia framework for media creation and distribution for Microsoft Windows. Windows Media is either a registered trademark or trademark of Microsoft Corporation in the U.S. and/or other countries. Use an application licensed by Microsoft Corporation to author, distribute, or play Windows Media formatted content. Using an application unauthorized by Microsoft Corporation is subject to malfunction.

Windows Media DRM

Windows Media DRM is a DRM (Digital Rights Management) service for the Windows Media platform. It is designed to provide secure delivery of audio and/or video content over an IP network to a PC or other playback device in such a way that the distributor can control how that content is used. The WMDRM-protected content can only be played back on a component supporting the WMDRM service.

Windows Media Player 11/ Windows Media Player 12

Windows Media Player is software to deliver music, photos and movies from a Microsoft Windows computer to home stereo systems and TVs.

With this software, you can play back files stored on the PC through various devices wherever you like in your home.

This software can be downloaded from Microsoft's website.

- Windows Media Player 11 (for Windows XP or Windows Vista)
- Windows Media Player 12 (for Windows 7)

For more information check the official Microsoft website.

About playable file formats

The NETWORK feature of this receiver supports the following file formats. Note that some file formats are not available for playback although they are listed as playable file formats. Also, the compatibility of file formats varies depending on the type of server. Check with your server to ensure the compatibility of file formats supported by your server.

- Internet radio playback may be affected by the Internet communications environment, and in this case playback may not be possible even with the file formats listed here.

Music files

Extension	Stream	
MP3 (MPEG-1 Audio Layer 3)		
.mp3[a]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	8 kbps to 320 kbps
	VBR/CBR	Supported/Supported
WAV (LPCM)		
.wav	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
	Quantization bitrate	16 bit, 24 bit
	Channel	2 ch
WMA (WMA2/7/8/9)		
.wma[b]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	5 kbps to 320 kbps
	VBR/CBR	Supported/Supported
AAC (MPEG-4 AAC LC, MPEG-4 HE AAC (aacPlus v1/2))		
.m4a .aac .3gp .3g2	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
	Quantization bitrate	16 bit
	Channel	2 ch
	Bitrate	16 kbps to 320 kbps
	VBR/CBR	Supported/Supported
FLAC		
.flac[c]	Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
	Quantization bitrate	16 bit, 24 bit
	Channel	2 ch

a. *MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.*

b. Files encoded using Windows Media Codec 9 may be playable but some parts of the specification are not supported; specifically, Pro, Lossless, Voice.

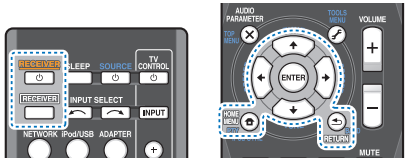
c. Uncompressed FLAC files are not supported. Pioneer does not guarantee playback.

Using the Home Menu

The following section shows you how to make detailed settings to specify how you're using the receiver, and also explains how to fine-tune individual speaker system settings to your liking.

Important

- The OSD will not appear if you have connected using the composite output to your TV. Use HDMI connection for Home Menu.
- If headphones are connected to the receiver, disconnect them.
- You can't use the Home Menu when the **NETRADIO**, **M.SERVER**, **FAVORITE**, **iPod/USB** or **ADAPTER** input is selected.



1 Switch on the receiver and your TV.

Press ⏻**RECEIVER** to switch on.

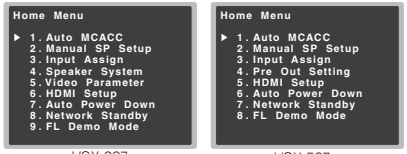
2 Switch the TV input to the input that connects this receiver to the TV through the corresponding HDMI cable.

3 Press RECEIVER, then press HOME MENU.

The Home Menu appears on your TV. Use ⬆/⬇/⬅/➡ and **ENTER** on the remote control to navigate through the screens and select menu items. Press **RETURN** to exit the current menu.

- Press **HOME MENU** at any time to exit the Home Menu.

4 Select the setting you want to adjust.



VSX-827 VSX-527

- **Auto MCACC** – This is a quick and effective automatic surround setup (see *Automatically setting up for surround sound (MCACC)* on page 23).
- **Manual SP Setup**
  - **Speaker Setting** – Specify the size and number of speakers you've connected (see below).
  - **X.Over** – Specify which frequencies will be sent to the subwoofer (page 48).
  - **Channel Level** – Adjust the overall balance of your speaker system (page 49).
  - **Speaker Distance** – Specify the distance of your speakers from the listening position (page 49).
- **Input Assign**
  - **Analog Input** – Specify what you've connected to the **ANALOG IN1** audio input (page 50).
  - **Component Input** *(VSX-827 only)* – Specify what you've connected to the component video inputs (page 50).
- **Speaker System** *(VSX-827 only)* – Specifies how you are using the speaker terminals (page 50).
- **Video Parameter** *(VSX-827 only)*
  - **Video Converter** – Converts video signals for output from the HDMI OUT terminal for all video types (page 50).
  - **Resolution** – Specifies the output resolution of the video signal (page 51).
  - **Aspect** – Specifies the aspect ratio (page 51).
- **Pre Out Setting** *(VSX-527 only)* – Specify how to use the **PRE OUT SURR BACK/FRONT HEIGHT** outputs (see *The Pre Out Setting (VSX-527 only)* on page 51).
- **HDMI Setup** – Set the audio return channel function (see *HDMI Setup* on page 53).
- **Auto Power Down** – Sets to automatically turn off the power when the receiver has not operated for several hours (see *The Auto Power Down menu* on page 52).
- **Network Standby** – Allows the AirPlay function to be used even when the receiver is in the standby mode (see *The Network Standby menu* on page 52).
- **FL Demo Mode** – Sets the demo display on the front panel display (see *The FL Demo Mode menu* on page 52).

Manual speaker setup

This receiver allows you to make detailed settings to optimize the surround sound performance. You only need to make these settings once (unless you change the placement of your current speaker system or add new speakers).

These settings are designed to fine-tune your system, but if you're satisfied with the settings made in *Automatically setting up for surround sound (MCACC)* on page 23, it isn't necessary to make all of these settings.

Important

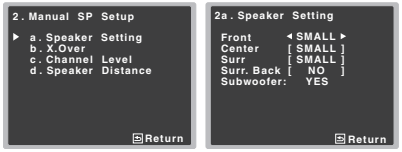
- *VSX-827 only:* Depending on the **Speaker System** setting, there will be differences in the speaker items that can be adjusted. The OSD display for these operating instructions is an example of when the **Speaker System** setting is set to **Surr. Back**.
- *VSX-527 only:* Depending on the **Pre Out Setting**, there will be differences in the speaker items that can be adjusted. The OSD display for these operating instructions is an example of when the **Pre Out Setting** is set to **Surr. Back**.

Speaker Setting

Use this setting to specify your speaker configuration (size, number of speakers). It is a good idea to make sure that the settings made in *Automatically setting up for surround sound (MCACC)* on page 23 are correct.

1 **Select 'Manual SP Setup' from the Home Menu.**

2 **Select 'Speaker Setting' from the Manual SP Setup menu.**



3 **Choose the set of speakers that you want to set then select a speaker size.**

Use ⬅/➡ to select the size (and number) of each of the following speakers:

- **Front** – Select **LARGE** if your front speakers reproduce bass frequencies effectively, or if you didn't connect a subwoofer. Select **SMALL** to send the bass frequencies to the subwoofer.
- **Center** – Select **LARGE** if your center speaker reproduces bass frequencies effectively, or select **SMALL** to send bass frequencies to the other speakers or subwoofer. If you didn't connect a center speaker, choose **NO** (the center channel is sent to the other speakers).
- **Front Height** – Select **LARGE** if your front height speakers reproduce bass frequencies effectively. Select **SMALL** to send bass frequencies to the other speakers or subwoofer. If you didn't connect front height speakers choose **NO**.
  - You can only adjust the **Front Height** setting when **Pre Out Setting** is set to **Height**.
- **Surr** – Select **LARGE** if your surround speakers reproduce bass frequencies effectively. Select **SMALL** to send bass frequencies to the other speakers or subwoofer. If you didn't connect surround speakers choose **NO** (the sound of the surround channels is sent to the other speakers).
- **Surr. Back** – Select the number of surround back speakers you have (one, two or none). Select **LARGE** if your surround back speakers reproduce bass frequencies effectively. Select **SMALL** to send bass frequencies to the other speakers or subwoofer. If you didn't connect surround back speakers choose **NO**.
  - *VSX-527 only:* You can only adjust the **Surr. Back** setting when **Pre Out Setting** is set to **Surr. Back**.
  - *VSX-527 only:* If you select one surround back speaker only, make sure that additional amplifier is hooked up to the **PRE OUT L (Single)** terminal.
  - *VSX-827 only:* When using only one surround back speaker, connect it to the **SURROUND BACK L (Single)** terminals.
- **Subwoofer** – LFE signals and bass frequencies of channels set to **SMALL** are output from the subwoofer when **YES** is selected (see notes below). Choose the **PLUS** setting if you want the subwoofer to output bass sound continuously or you want deeper bass (the bass frequencies that would normally come out the front and center speakers are also routed to the subwoofer). If you did not connect a subwoofer choose **NO** (the bass frequencies are output from other speakers).

4 **When you're finished, press RETURN.**

You return to the Manual SP Setup menu.

Note

- If you select **SMALL** for the front speakers, the subwoofer will automatically be fixed to **YES**. Also, the center, surround, surround back and front height speakers can't be set to **LARGE** if the front speakers are set to **SMALL**. In this case, all bass frequencies are sent to the subwoofer.
- If the surround speakers are set to **NO**, the surround back speakers will automatically be set to **NO**.
- If you have a subwoofer and like lots of bass, it may seem logical to select **LARGE** for your front speakers and **PLUS** for the subwoofer. This may not, however, yield the best bass results. Depending on the speaker placement of your room you may actually experience a decrease in the amount of bass due to low frequency cancellations. In this case, try changing the position or direction of speakers. If you can't get good results, listen to the bass response with it set to **PLUS** and **YES** or the front speakers set to **LARGE** and **SMALL** alternatively and let your ears judge which sounds best. If you're having problems, the easiest option is to route all the bass sounds to the subwoofer by selecting **SMALL** for the front speakers.

X.Over

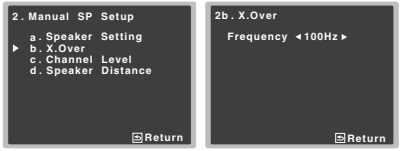
- Default setting: **100Hz**

This setting decides the cutoff between bass sounds playing back from the speakers selected as **LARGE**, or the subwoofer, and bass sounds playing back from those selected as **SMALL**. It also decides where the cutoff will be for bass sounds in the LFE channel.

- For more on selecting the speaker sizes, see *Speaker Setting on page 47*.

1 **Select 'Manual SP Setup' from the Home Menu.**

2 **Select 'X.Over' from the Manual SP Setup menu.**



3 **Choose the frequency cutoff point.**

Frequencies below the cutoff point will be sent to the subwoofer (or **LARGE** speakers).

4 **When you're finished, press RETURN.**

You return to the Manual SP Setup menu.

Channel Level

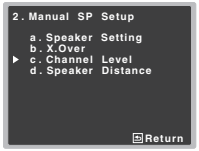
Using the channel level settings, you can adjust the overall balance of your speaker system, an important factor when setting up a home theater system.

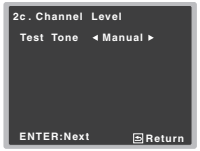
CAUTION

- The test tones used in the Channel Level settings are output at high volume.

1 **Select 'Manual SP Setup' from the Home Menu.**

2 **Select 'Channel Level' from the Manual SP Setup menu.**



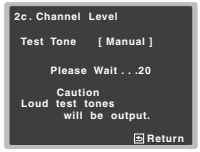


3 **Select a setup option.**

- **Manual** – Move the test tone manually from speaker to speaker and adjust individual channel levels.
- **Auto** – Adjust channel levels as the test tone moves from speaker to speaker automatically.

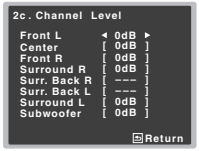
4 **Confirm your selected setup option.**

The test tones will start after you press **ENTER**. After the volume increases to the reference level, test tones will be output.



5 **Adjust the level of each channel using ←/→.**

If you selected **Manual**, use ↑/↓ to switch speakers. The **Auto** setup will output test tones in the order shown on-screen:


2c. Channel Level
Front L ◄ 0dB ►
Center [0dB]
Front R [0dB]
Surround R [0dB]
Surr. Back R [---]
Surr. Back L [---]
Surround L [0dB]
Subwoofer [0dB]
Return

Adjust the level of each speaker as the test tone is emitted.

Note

- If you are using a Sound Pressure Level (SPL) meter, take the readings from your main listening position and adjust the level of each speaker to 75 dB SPL (C-weighting/slow reading).
- The subwoofer test tone is output at low volumes. You may need to adjust the level after testing with an actual soundtrack.

6 **When you're finished, press RETURN.**

You return to the Manual SP Setup menu.

Tip

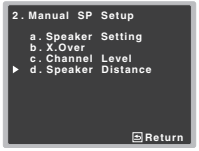
- You can change the channel levels at any time by press RECEIVER, then press **CH SELECT** and **LEV +/–** on the remote control. You can also press **CH SELECT** and use ↑/↓ to select the channel, and then use ←/→ to adjust the channel levels.

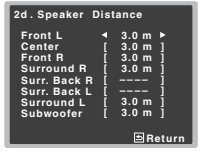
Speaker Distance

For good sound depth and separation from your system, you need to specify the distance of your speakers from the listening position. The receiver can then add the proper delay needed for effective surround sound.

1 **Select 'Manual SP Setup' from the Home Menu.**

2 **Select 'Speaker Distance' from the Manual SP Setup menu.**




2d. Speaker Distance
Front L ◄ 3.0 m ►
Center [3.0 m]
Front R [3.0 m]
Surround R [3.0 m]
Surr. Back R [----]
Surr. Back L [----]
Surround L [3.0 m]
Subwoofer [3.0 m]
Return

3 **Adjust the distance of each speaker using ←/→.**

You can adjust the distance of each speaker in 0.1 m increments.

4 **When you're finished, press RETURN.**

You return to the Manual SP Setup menu.

The Input Assign menu

Assigns input function for analog audio input terminal and component video input terminal (component video input terminal for VSX-827 only).

- For the assignment of the digital signal inputs, see *Selecting the audio input signal* on page 25.

Analog Input

ANALOG IN1 audio input terminal is assigned to **CD** under factory settings, but this can be changed to **TV** input.

1 **Select 'Input Assign' from the Home Menu.**

2 **Select 'Analog Input' from the Input Assign menu.**

VSX-827

3 **Select the desired input option for the ANALOG IN1 audio input terminal.**

4 **When you're finished, press RETURN.**
You return to the Input Assign menu.

Note

- When playing analog input audio, switch to the **CD** or **TV** input menu, press RECEIVER and press **SIGNAL SEL** several times to choose **A** (Analog). (see *Selecting the audio input signal* on page 25)

Component Input (VSX-827 only)

COMPONENT VIDEO IN1 input terminal is assigned to **DVD** under factory settings, but this can be changed to **SAT/CBL** input.

1 **Select 'Input Assign' from the Home Menu.**

2 **Select 'Component Input' from the Input Assign menu.**

3 **Select the desired input option for the COMPONENT VIDEO IN1 input terminal.**
Select between **DVD**, **SAT/CBL** or **OFF**.

4 **When you're finished, press RETURN.**
You return to the Input Assign menu.

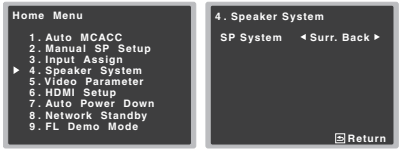
- Make sure you have connected the audio from the component to the corresponding inputs on the rear of the receiver.

The Speaker System setting (VSX-827 only)

Specify either using the surround back speaker (or the speaker B), or the front height speaker connection with the B-speaker terminals.

- Default setting: **Surr. Back**

1 **Select 'Speaker System' from the Home Menu.**



2 **Select the speaker system setting using ←/→.**

- **Surr. Back** – Sound is output from the surround back speaker or the speaker B.
- **Height** – Sound is output from front height speaker.

3 **When you're finished, press RETURN.**
You return to the Home Menu.

The Video Parameter setting (VSX-827 only)

This receiver can up-convert the video signal input from the composite or component video terminals; the output is from the **HDMI OUT** terminal. The following shows the various settings for this function.

Video Converter

This setting specifies valid/invalid for the function that converts the input video signal from each composite video terminal. When **OFF** is selected, Resolution and Aspect can not be set.

1 **Select 'Video Parameter' from the Home Menu.**

2 **Select 'Video Converter' from the Video Parameter menu.**

3 **Select the setting for converting each type of video input.**

- **ON** – The signal is output also to the **HDMI OUT** terminal.
- **OFF** – The signal input from the HDMI terminal of the selected input function will be output from the **HDMI OUT** terminal. The signal input from the composite and component video terminals will not be output from the **HDMI OUT** terminal.

4 **When you're finished, press RETURN.**
You return to the Video Parameter menu.

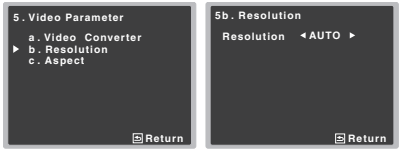
Resolution

Specifies the output resolution of the video signal (when video input signals are output at the HDMI OUT terminal, select this according to the resolution of your monitor and the images you wish to watch).

- This setting is not applicable for video signals input via HDMI.

1 **Select 'Video Parameter' from the Home Menu.**

2 **Select 'Resolution' from the Video Parameter menu.**



3 **Select output resolution.**

- **AUTO** – The resolution is selected automatically according to the capacity of the TV (monitor) connected by HDMI.
- **PURE** – The signals are output with the same resolution as when input.
- **480p**/**720p**/**1080i**/**1080p** – The signal is output with the resolution specified here (**480p** means the resolution of 480p/576p).

4 **When you're finished, press RETURN.**

You return to the Video Parameter menu.

Note

- When set to a resolution with which the TV (monitor) is not compatible, no picture is output. Also, in some cases no picture will be output due to copyright protection signals. In this case, change the setting.

Aspect

Specifies the aspect ratio when analog video input signals are output at the HDMI OUT terminal. Make your desired settings while checking each setting on your display (if the image doesn't match your monitor type, cropping or black bands appear).

1 **Select 'Video Parameter' from the Home Menu.**

2 **Select 'Aspect' from the Video Parameter menu.**

3 **Select desired output aspect ratio.**

- **THROUGH** – The input video signal is output unchanged.
- **NORMAL** – Black bands will appear either at top and bottom or on both sides.

4 **When you're finished, press RETURN.**

You return to the Video Parameter menu.

Note

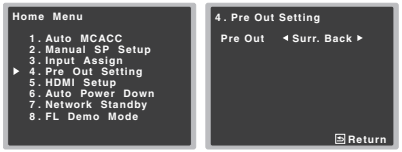
- If the image doesn't match your monitor type, adjust the aspect ratio on the source component or on the monitor.

The Pre Out Setting (VSX-527 only)

Specify either using the surround back speaker or the front height speaker connection with the **PRE OUT SURR BACK/ FRONT HEIGHT** outputs. An additional amplifier is required for the speaker connection.

- Default setting: **Surr. Back**

1 **Select 'Pre Out Setting' from the Home Menu.**



2 **Select which speaker to connect to the PRE OUT SURR BACK/FRONT HEIGHT outputs using ⬅/➡.**

- **Surr. Back** – Connect the surround back speaker.
- **Height** – Connect the front height speaker.

3 **When you're finished, press RETURN.**

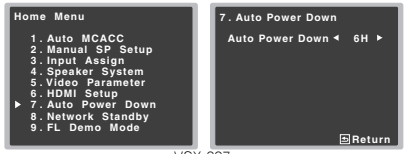
You return to the Home Menu.

The Auto Power Down menu

Set to automatically turn off the receiver after a specified time has passed (when the power has been on with no operation for several hours).

- Default setting: **6H**

1 **Select 'Auto Power Down' from the Home Menu.**



VSX-827

2 **Specify the amount of time to allow before the power is turned off (when there has been no operation).**

- You can select 2, 4 or 6 hours, or **OFF** (if no automatic shutoff is desired).

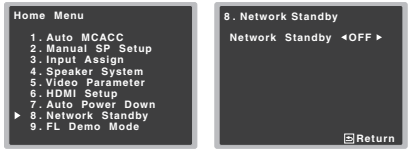
3 **When you're finished, press RETURN.**

You return to the Home Menu.

The Network Standby menu

This setting allows the AirPlay function for operating the receiver from a computer connected on the same LAN as the receiver to be used even when the receiver is in the standby mode.

1 **Select 'Network Standby' from the Home Menu.**



VSX-827

2 **Choose ON or OFF for the Network Standby.**

- **ON** – The AirPlay function can be used even when the receiver is in the standby mode.
- **OFF** – The AirPlay function cannot be used when the receiver is in the standby mode (This lets you reduce power consumption in the standby mode).
  - If the **Network Standby** setting is set to **ON**, the power consumption during standby will increase.

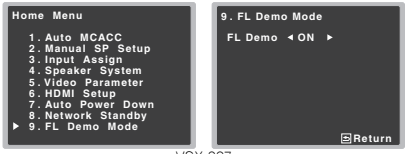
3 **When you're finished, press RETURN.**

You return to the Home Menu.

The FL Demo Mode menu

Set whether or not various demos are to be shown on the front panel display.

1 **Select 'FL Demo Mode' from the Home Menu.**



VSX-827

2 **Choose ON or OFF for the demo display.**

3 **When you're finished, press RETURN.**

You return to the Home Menu.

Control with HDMI function

Synchronized operations below with a **Control** with HDMI-compatible Pioneer TV or Blu-ray Disc player are possible when the component is connected to the receiver using an HDMI cable.

- **Synchronized amp mode**
  The receiver's volume can be set and the sound can be muted using the TV's remote control.
- **Power synchronization with TV**
- **Automatic switching of inputs**
  The receiver's input switches over automatically when the TV's input is changed or a **Control** with HDMI-compatible component is played.

Important

- With Pioneer devices, the **Control** with HDMI functions are referred to as "KURO LINK".
- You cannot use this function with components that do not support **Control** with HDMI.
- We only guarantee this receiver will work with Pioneer made **Control** with HDMI-compatible components. However, we do not guarantee that all synchronized operations will work with components that support the **Control** with HDMI function.
- Use a High Speed HDMI® cable when you want to use the **Control** with HDMI function. The **Control** with HDMI function may not work properly if a different type of HDMI cable is used.
- For details about concrete operations, settings, etc., refer to also the operating instructions for each component.

Making Control with HDMI connections

You can use synchronized operation for a connected TV and other components.

- Be sure to connect the TV's audio cable to the audio input of this unit. When the TV and receiver are connected by HDMI connections, if the TV supports the HDMI Audio Return Channel function, the sound of the TV is input to the receiver via the HDMI terminal, so there is no need to connect an audio cable. In this case, set **ARC** at **HDMI Setup** to **ON** (see *HDMI Setup* below).

For details, see *Connecting using HDMI* on page 17.

Important

- When connecting this system or changing connections, be sure to switch the power off and disconnect the power cord from the wall socket.
  After completing all connections, connect the power cords to the wall socket.
- After this receiver is connected to an AC outlet, a 2 second to 10 second HDMI initialization process begins. You cannot carry out any operations during initialization. The HDMI indicator on the display unit blinks during initialization, and you can turn this receiver on once it has stopped blinking.
- To get the most out of this function, we recommend that you connect your HDMI component not to a TV but rather directly to the HDMI terminal on this receiver.

HDMI Setup

You must adjust the settings of this receiver as well as the connected **Control** with HDMI-compatible components in order to make use of the **Control** with HDMI function. For more information see the operating instructions for each component.

1 Switch on the receiver and your TV.
Press ⏻**RECEIVER** to switch on.

2 Switch the TV input to the input that connects this receiver to the TV through the corresponding HDMI cable.

3 Press RECEIVER, then press HOME MENU.
The Home Menu appears on your TV. Use ↑/↓/←/→ and **ENTER** on the remote control to navigate through the screens and select menu items. Press **RETURN** to exit the current menu.

- Press **HOME MENU** at any time to exit the Home Menu.

4 Select 'HDMI Setup' from the Home Menu.

VSX-827

5 Select the 'Control' setting you want.
Choose whether to set this unit's **Control** with HDMI function **ON** or **OFF**. You will need to set it to **ON** to use the **Control** with HDMI function.
When using a component that does not support the **Control** with HDMI function, set this to **OFF**.

- **ON** – Enables the **Control** with HDMI function. When this unit's power is turned off and you have a supported source begin playback while using the **Control** with HDMI function, the audio and video outputs from the HDMI connection are output from the TV.
- **OFF** – The **Control** with HDMI is disabled. Synchronized operations cannot be used. When this unit's power is turned off, audio and video of sources connected via HDMI are not output.

6 Select the 'ARC' setting you want.
When a TV supporting the HDMI Audio Return Channel function is connected to the receiver, the sound of the TV can be input via the HDMI terminal.

- **ON** – The TV's sound is input via the HDMI terminal. This can only be selected when **Control** is set to **ON**.
- **OFF** – The TV's sound is input from the audio input terminals other than HDMI inputs.

7 When you're finished, press RETURN.
You return to the Home Menu.

Before using synchronization

Once you have finished all connections and settings, you must:

1. **Put all components into standby mode.**
2. **Turn the power on for all components, with the power for the TV being turned on last.**
3. **Choose the HDMI input to which the TV is connected to this receiver, and see if video output from connected components displays properly on the screen or not.**
4. **Check whether the components connected to all HDMI inputs are properly displayed.**

About synchronized operations

The **Control** with HDMI-compatible component connected to the receiver operates in sync as described below.

- **Synchronized amp mode**
  - From the menu screen of the **Control** with HDMI-compatible TV, set audio to be played through this receiver, and the receiver will switch to the synchronized amp mode.
  - When in the synchronized amp mode, the synchronized amp mode is canceled when the receiver's power is turned off. To turn the synchronized amp mode back on, set audio to be played through the receiver from the TV's menu screen, etc. This receiver will power up and switch to the synchronized amp mode.
  - When in the synchronized amp mode, the synchronized amp mode is canceled if an operation that produces sound from the TV is performed from the TV's menu screen, etc.
  - When the synchronized amp mode is canceled, the receiver's power turns off if you were viewing an HDMI input or a TV program on the TV.
- **Power synchronization with TV**
  - When the TV's power is set to standby, the receiver's power is also set to standby. (Only when the input for a component connected to the receiver by HDMI connection is selected or when watching the TV.)
- **Automatic switching of inputs**
  - The receiver's input switches automatically when the **Control** with HDMI-compatible component is played.
  - The receiver's input switches automatically when the TV's input is switched.
  - The synchronized amp mode remains in effect even if the receiver's input is switched to a component other than one connected by HDMI.

Cautions on the Control with HDMI function

- Connect the TV and components (Blu-ray Disc player, etc.) directly to this receiver. Interrupting a direct connection with other amps or an AV converter (such as an HDMI switch) can cause operational errors.
- When the receiver's **Control** is turned **ON**, even if the receiver's power is in the standby mode, it is possible to output the audio and video signals from a player via HDMI to the TV without producing sound from the receiver, but only when a **Control** with HDMI-compatible component (Blu-ray Disc player, etc.) and compatible TV are connected. In this case, the receiver's power turns on and the power and **HDMI** indicators light.

Controlling the rest of your system

Setting the remote to control other components

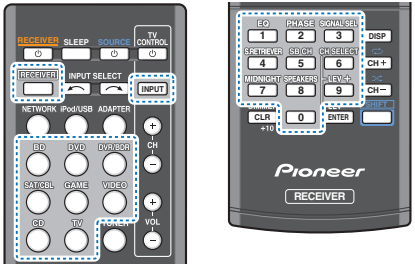
Most components can be assigned to one of the input function buttons using the component's manufacturer preset code stored in the remote.

However, please note that there are cases where only certain functions may be controllable after assigning the proper preset code, or the codes for the manufacturer in the remote control will not work for the model that you are using.

Note

- **TV CONTROL** buttons are only dedicated to control the TV (for example, codes for TV, CATV, Satellite TV or DTV).
- You can cancel or exit any of the steps by pressing RECEIVER.
- After one minute of inactivity, the remote automatically exits the operation.

Selecting preset codes directly



1. **While pressing RECEIVER, press and hold the '1' button for three seconds.**
2. **Press the input function button for the component you want to control.**
   The component can be assigned to the **BD**, **DVD**, **DVR/BDR**, **SAT/CBL**, **GAME**, **VIDEO**, **CD**, or **TV** button.
   - When assigning preset codes to **TV CONTROL**, press **INPUT** here.
3. **Use the number buttons to enter the preset code.**
   You can find the preset codes on page 56.
   If the correct code has been input the power of the component being input will turn on or off.
   The power of the component being input will only turn on or off if that component is able to be turned on directly by remote control.
4. **Repeat steps 2 through 3 to try a different code, or to enter a code for another component you want to control.**
5. **When you're done, press RECEIVER.**

Clearing all the remote control settings

You can clear all presets and restore the factory default settings.

While pressing RECEIVER, press and hold the '0' button for three seconds.

Default preset codes

Input function button	Preset code
BD	2 2 5 5
DVD	2 2 5 6
DVR/BDR	2 2 5 7
SAT/CBL	6 3 2 5
GAME	5 0 0 3
VIDEO	6 0 9 9
CD	5 0 0 0
TV	0 2 9 1
TV CONTROL	0 2 9 1

Controls for TVs

This remote control can control components (TV, DTV, Satellite TV or Cable TV) after entering the proper codes or teaching the receiver the commands (see *Controlling the rest of your system* on page 55 for more on this). Use the input function buttons to select the component.

- The **TV CONTROL** buttons on the remote control are dedicated to control the TV assigned to the **TV CONTROL INPUT** button.

Button(s)	Function
TV CONTROL ⏻	Switches the TV between standby and on.
TV CONTROL INPUT	Switches the TV input. (Not possible with all models.)
TV CONTROL CH +/–	Selects channels.
TV CONTROL VOL +/–	Adjust the TV volume.
⏻**SOURCE**	Press to switch the component assigned to the **TV** button on or off.
HOME MENU	Use as the **GUIDE** button for navigating.
RETURN	Use to select closed captioning with DTV.
Number buttons	Use to select a specific TV channel.
ENTER	Use to enter a channel.
MENU	Press to display the TV menu.
↑/↓/←/→/ ENTER	Press to select or adjust and navigate items on the menu screen.
CH +/–	Selects channels.

Controls for other components

This remote control can control these components (BD, DVD, CD, DVR (BDR), VCR, CD-R) after entering the proper codes or teaching the receiver the commands (see *Controlling the rest of your system* on page 55 for more on this). Use the input function buttons to select the component.

For Blu-ray Disc player, DVD player, CD player, DVR (BDR), VCR, CD-R:

Button(s)	Function
⏻**SOURCE**	Press to switch the component between standby and on.
I◄◄	Press to return to the start of the current track. Repeated presses skips to the start of previous tracks.
►►I	Press to advance to the start of the next track. Repeated presses skips to the start of following tracks.
II	Pause playback or recording.
►	Start playback.
►►	Hold down for fast forward playback.
◄◄	Hold down for fast reverse playback.
■	Stops playback (on some models, pressing this when the disc is already stopped will cause the disc tray to open).
Number buttons	Use to enter a title/chapter/track number.
DISP	Press to display information.
TOP MENU	Displays the disc 'top' menu of a BD/DVD player.
MENU	Displays menus for the current BD/DVD or DVR you are using.
↑/↓/←/→/ ENTER/RETURN	Navigates BD/DVD menu/options.
HOME MENU	Displays the HOME MENU.
CH +/–	Selects channels. (DVR/VCR only)

Preset Code List

You should have no problem controlling a component if you find the manufacturer in this list, but please note that there are cases where codes for the manufacturer in the list will not work for the model that you are using. There are also cases where only certain functions may be controllable after assigning the proper preset code.

Important

- We do not guarantee the operations of all the manufacturers and devices listed. Operation may not be possible even if a preset code is entered.

example:

TV — Category
Pioneer 0113 — Preset code
Manufacturer

TV

Pioneer 0113, 0233, 0252, 0275, 0291, 0295, 0296, 0305
A.R. Systems 0155
Acme 0141
Acura 0142, 0154
ADC 0140
Admiral 0138, 0139, 0140, 0145, 0146
Adyson 0141, 0228, 0229
Agashi 0228, 0229
Agazi 0140
Aiko 0141, 0142, 0154, 0155, 0228, 0229
Aim 0155
Aiwa 0199
Akai 0142, 0143, 0149, 0152, 0154, 0155, 0228, 0229
Akiba 0143, 0155
Akura 0140, 0143, 0154, 0155
Alaron 0228
Alba 0125, 0141, 0142, 0143, 0147, 0150, 0152, 0154, 0155, 0190, 0193, 0203, 0228
Alcyon 0132
Allorgan 0229
Allstar 0149, 0155
AMOi 0224
Amplivision 0125, 0141, 0156, 0229
Amstrad 0140, 0142, 0143, 0154, 0155
Anam 0142
Anglo 0142, 0154
Anitech 0132, 0140, 0142, 0154, 0155
Ansonic 0125, 0133, 0142, 0144, 0154, 0155
Arcam 0228, 0229
Arcam Delta 0141
Aristona 0149, 0152, 0155
Arthur Martin 0156
ASA 0138, 0146
Asberg 0132, 0149, 0155
Astra 0142
Asuka 0140, 0141, 0143, 0228, 0229
Atlantic 0141, 0149, 0152, 0155, 0228
Atori 0142, 0154
Auchan 0156
Audiosonic 0125, 0141, 0142, 0143, 0149, 0152, 0155, 0229
AudioTon 0125, 0141, 0229
Ausind 0132
Autovox 0132, 0138, 0140, 0141, 0229
Awa 0228, 0229
Baird 0229
Bang & Olufsen 0138, 0230
Basic Line 0142, 0143, 0149, 0154, 0155, 0229
Bastide 0141, 0229
Baur 0152, 0155
Bazin 0229
Beko 0125, 0150, 0155, 0175
Benq 0219
Beon 0149, 0152, 0155
Best 0125
Bestar 0125, 0149, 0155
Binatone 0141, 0229
Blue Sky 0143, 0155
Blue Star 0151
Boots 0141, 0229
BPL 0151, 0155
Brandt 0148, 0153, 0157, 0159
Brinkmann 0155
Brionvega 0138, 0149, 0152, 0155
Britannia 0141, 0228, 0229
Bruns 0138
BTC 0143
Bush 0142, 0143, 0145, 0147, 0149, 0151, 0152, 0154, 0155, 0180, 0193, 0229
Capsonic 0140
Carena 0155
Carrefour 0147
Cascade 0142, 0154, 0155
Casio 0221
Cathay 0149, 0152, 0155
CCE 0229
Centurion 0149, 0152, 0155
Century 0138
CGE 0125, 0132
Cimline 0142, 0154
City 0142, 0154
Clarivox 0152
Clatronic 0125, 0132, 0140, 0141, 0142, 0143, 0149, 0150, 0154, 0155, 0229
CMS 0228
CMS Hightec 0229
Concorde 0142, 0154
Condor 0125, 0141, 0149, 0150, 0154, 0155, 0228
Contec 0141, 0142, 0147, 0154, 0228
Continental Edison 0148
Cosmel 0142, 0154
Crosley 0132, 0138
Crown 0125, 0132, 0142, 0149, 0150, 0152, 0154, 0155
CS Electronics 0141, 0143, 0228
CTC Clatronic 0144
Cybertron 0143
Daewoo 0128, 0141, 0142, 0149, 0154, 0155, 0169, 0179, 0206, 0228, 0229
Dainichi 0143, 0228
Dansai 0140, 0149, 0152, 0155, 0228, 0229
Dantax 0125, 0152
Dawa 0155
Daytron 0142, 0154
De Graaf 0145
Decca 0141, 0149, 0152, 0155, 0229
Denver 0213, 0218
Desmet 0149, 0152, 0155
Diamant 0155
Diamond 0228
Dixi 0142, 0149, 0152, 0154, 0155, 0229
DTS 0142, 0154
Dual 0141, 0155, 0229
Dual-Tec 0141, 0142
Dumont 0138, 0141, 0144, 0229
Dux 0152
Dynatron 0149, 0152, 0155
Elbe 0125, 0133, 0155, 0229
Elcit 0138
Electa 0151
ELECTRO TECH 0142
Elin 0141, 0149, 0152, 0154, 0155, 0228
Elite 0143, 0149, 0155
Elman 0144
Elta 0142, 0154, 0228
Emerson 0125, 0138, 0155
Epson 0216
Erres 0149, 0152, 0155
ESC 0229
Etron 0142
Eurofeel 0229, 0140
Euroline 0152
Euroman 0125, 0140, 0141, 0149, 0155, 0228, 0229
Europhon 0141, 0144, 0149, 0155, 0228, 0229
Expert 0156
Exquisit 0155
Fenner 0142, 0154
Ferguson 0148, 0152, 0153, 0157
Fidelity 0141, 0145, 0155, 0228
Filsai 0229
Finlandia 0145
Finlux 0132, 0138, 0141, 0144, 0149, 0152, 0155, 0229
Firstline 0141, 0142, 0149, 0154, 0155, 0228, 0229
Fisher 0125, 0138, 0141, 0147, 0150, 0229
Flint 0149, 0155
Formenti 0132, 0138, 0139, 0141, 0152, 0228
Formenti/Phoenix 0228
Fortress 0138, 0139
Fraba 0125, 0155
Friac 0125
Frontech 0140, 0142, 0145, 0146, 0154, 0229
Fujitsu 0229
Fujitsu General 0229
Funai 0140
Galaxi 0155, 0150
Galaxis 0125, 0155
GBC 0142, 0147, 0154
Geant Casino 0156
GEC 0141, 0146, 0149, 0152, 0155, 0229
Geloso 0142, 0145, 0154
General Technic 0142, 0154
Genexxa 0143, 0146, 0149, 0155
Giant 0229
GoldHand 0228
Goldline 0155
Goldstar 0125, 0141, 0142, 0145, 0149, 0152, 0154, 0155, 0228, 0229
Goodmans 0140, 0142, 0147, 0149, 0152, 0154, 0155, 0222, 0229
Gorenje 0125, 0150
GPM 0143
Graetz 0146
Granada 0132, 0141, 0145, 0147, 0149, 0152, 0155, 0156, 0229
Grandin 0142, 0143, 0151, 0152
Gronic 0229
Grundig 0124, 0125, 0132, 0155, 0162
Halifax 0140, 0141, 0228, 0229
Hampton 0141, 0228, 0229
Hanseatic 0125, 0133, 0141, 0142, 0147, 0149, 0152, 0154, 0155, 0229
Hantarex 0142, 0154, 0155
Hantor 0155
Harwood 0154, 0155
HCM 0140, 0141, 0142, 0151, 0154, 0155, 0229
Hema 0154, 0229
Higashi 0228
HiLine 0155
Hinari 0142, 0143, 0147, 0149, 0152, 0154, 0155
Hisawa 0143, 0151, 0156
Hitachi 0137, 0141, 0145, 0146, 0147, 0155, 0191, 0226, 0229
Hornyphon 0149, 0155
Hoshai 0143
Huanyu 0141, 0228
Hygashi 0141, 0228, 0229
Hyper 0141, 0142, 0154, 0228, 0229
Hypson 0140, 0141, 0149, 0151, 0152, 0155, 0156, 0229
Iberia 0155
ICE 0140, 0141, 0142, 0143, 0149, 0154, 0155, 0228, 0229
ICeS 0228
Imperial 0125, 0132, 0146, 0149, 0150, 0155
Indiana 0149, 0152, 0155
Ingelen 0146
Ingersol 0142, 0154
Inno Hit 0132, 0141, 0142, 0143, 0149, 0152, 0154, 0155, 0229
Innovation 0140, 0142
Interactive 0125
Interbuy 0142, 0154
Interfunk 0125, 0138, 0146, 0149, 0152, 0155
International 0228
Intervision 0125, 0140, 0141, 0144, 0155, 0229
Irradio 0132, 0142, 0143, 0149, 0152, 0154, 0155
Isukai 0143, 0155
ITC 0141, 0229
ITS 0143, 0149, 0151, 0155, 0228
ITT 0142, 0146
ITV 0142, 0152, 0155
JVC 0134, 0135, 0147, 0149, 0192
Kaisui 0141, 0142, 0143, 0151, 0154, 0155, 0228, 0229
Kamosonic 0141
Kamp 0141, 0228
Kapsch 0146
Karcher 0125, 0141, 0142, 0152, 0155
Kawasho 0228
Kendo 0125, 0144, 0145, 0155
KIC 0229
Kingsley 0141, 0228
Kneissel 0125, 0133, 0155
Kolster 0149, 0155
Konka 0143
Korpel 0149, 0152, 0155
Korting 0125, 0138
Kosmos 0155
Koyoda 0142
KTV 0141, 0229
Kyoto 0228, 0229
Lasat 0125
Lenco 0142, 0154
Lenoir 0141, 0142, 0154
Leyco 0140, 0149, 0152, 0155
LG 0125, 0136, 0141, 0142, 0145, 0149, 0152, 0154, 0155, 0186, 0189, 0196, 0220, 0228, 0229
LG/GoldStar 0129
Liesenk 0152
Liesenkotter 0155
Life 0140, 0142
Lifetec 0140, 0142, 0154, 0155
Lloyds 0154
Loewe 0125, 0133, 0155, 0166, 0167
Loewe Opta 0138, 0149, 0152
Luma 0145, 0152, 0154, 0155
Lumatron 0145, 0149, 0152, 0155, 0229
Lux May 0149
Luxor 0141, 0145, 0229
M Electronic 0141, 0142, 0146, 0148, 0149, 0152
Magnadyne 0138, 0144, 0152
Magnafon 0132, 0141, 0144, 0228
Magnum 0140, 0142
Mandor 0140
Manesth 0140, 0141, 0149, 0152, 0155, 0229
Marantz 0149, 0152, 0155
Marelli 0138
Mark 0149, 0152, 0154, 0155, 0228, 0229
Masuda 0229
Matsui 0141, 0142, 0145, 0147, 0149, 0152, 0154, 0155, 0229
Mediator 0149, 0152, 0155
Medion 0140, 0142, 0155
M-Electronic 0154, 0155, 0228, 0229
Melvox 0156
Memorex 0142, 0154
Memphis 0142, 0154
Mercury 0154, 0155
Metz 0138, 0299, 0300, 0301, 0302
Micromaxx 0140, 0142
Microstar 0140, 0142
Minerva 0132
Minoka 0149, 0155
Mitsubishi 0138, 0147, 0149, 0155, 0200
Mivar 0125, 0132, 0133, 0141, 0228, 0229
Motion 0132
MTC 0125, 0228
Multi System 0152
Multitech 0125, 0141, 0142, 0144, 0145, 0147, 0152, 0154, 0155, 0228, 0229
Murphy 0141, 0228
Naonis 0145
NEC 0147, 0229
Neckermann 0125, 0138, 0141, 0145, 0149, 0150, 0152, 0155, 0229
NEI 0149, 0152, 0155
Neufunk 0154, 0155
New Tech 0142, 0149, 0154, 0155, 0229
New World 0143
Nicamagic 0141, 0228
Nikkai 0140, 0141, 0143, 0149, 0152, 0154, 0155, 0228, 0229
Nobliko 0132, 0141, 0144, 0228
Nokia 0146
Nordic 0229
Nordmende 0138, 0146, 0148, 0149
Nordvision 0152
Novatronic 0155
Oceanic 0146, 0156
Okano 0125, 0150, 0155
ONCEAS 0141
Opera 0155
Orbit 0149, 0155
Orion 0142, 0149, 0152, 0154, 0155, 0194
Orline 0155
Osaki 0140, 0141, 0143, 0155, 0229
Oso 0143
Otto Versand 0139, 0141, 0147, 0149, 0151, 0152, 0155, 0229
Pael 0141, 0228
Palladium 0125, 0141, 0150, 0155, 0229
Palsonic 0229

Panama 0140, 0141, 0142, 0154, 0155, 0228, 0229
Panasonic 0123, 0146, 0155, 0158, 0164, 0214, 0217
Panavision 0155
Pathe Cinema 0125, 0133, 0141, 0156, 0228
Pausa 0142, 0154
Perdio 0155, 0228
Perfekt 0155
Philco 0125, 0132, 0138, 0155
Philharmonic 0141, 0229
Philips 0115, 0117, 0138, 0141, 0149, 0152, 0155, 0160, 0163, 0165, 0170, 0171, 0173, 0174, 0182, 0183, 0195, 0196, 0202, 0205, 0212, 0215
Phoenix 0125, 0138, 0149, 0152, 0155, 0228
Phonola 0138, 0149, 0152, 0155, 0228
Plantron 0140, 0149, 0154, 0155
Playsonic 0229
Poppy 0142, 0154
Prandoni-Prince 0132, 0145
Precision 0141, 0229
Prima 0142, 0146, 0154
Profex 0142, 0154
Profi-Tronic 0149, 0155
Proline 0149, 0155
Prosonic 0125, 0141, 0152, 0155, 0228, 0229, 0232
Protech 0140, 0141, 0142, 0144, 0149, 0152, 0229
Provision 0152, 0155
Pye 0149, 0152, 0155, 0198
Pymi 0142, 0154

Quandra Vision 0156
Quelle 0140, 0141, 0149, 0152, 0155, 0229
Questa 0147

Radialva 0155
Radio Shack 0155
Radiola 0149, 0152, 0155, 0229
Radiomarelli 0138, 0155
Radiotone 0125, 0149, 0154, 0155
Rank 0147
Recor 0155
Redstar 0155
Reflex 0155
Revox 0125, 0149, 0152, 0155
Rex 0140, 0145, 0146
RFT 0125, 0133, 0138
Rhapsody 0228
R-Line 0149, 0152, 0155
Roadstar 0140, 0142, 0143, 0154
Robotron 0138
Rowa 0228, 0229
Royal Lux 0125
RTF 0138

Saba 0138, 0146, 0148, 0153, 0157, 0159
Saisho 0140, 0141, 0142, 0154, 0229
Salora 0145, 0146
Sambers 0132, 0144
Samsung 0119, 0120, 0125, 0140, 0141, 0142, 0149, 0150, 0152, 0154, 0155, 0177, 0178, 0181, 0204, 0208, 0228, 0229
Sandra 0141, 0228, 0229
Sansui 0149, 0155
Sanyo 0125, 0133, 0141, 0147, 0154, 0187, 0228, 0229
SBR 0152, 0155
SCHAUB LORENTZ 0146
Schneider 0141, 0143, 0149, 0152, 0155, 0190, 0229
SEG 0140, 0141, 0144, 0147, 0152, 0154, 0155, 0190, 0228, 0229
SEI 0155
SEI-Sinudyne 0138, 0144, 0146
Seleco 0145, 0146, 0147
Sencora 0142, 0154
Sentra 0154
Serino 0228
Sharp 0130, 0131, 0139, 0147, 0184, 0207
Siarem 0138, 0144, 0155
Sierra 0149, 0155
Siesta 0125
Silva 0228
Silver 0147
Singer 0138, 0144, 0156
Sinudyne 0138, 0144, 0152, 0155
Skantic 0146
Solavox 0146
Sonitron 0125, 0229
Sonoko 0140, 0141, 0142, 0149, 0152, 0154, 0155, 0229
Sonolor 0146, 0156
Sontec 0125, 0149, 0152, 0155
Sony 0116, 0118, 0142, 0147, 0161, 0168, 0172, 0185, 0188, 0197, 0201, 0211, 0225, 0227
Sound & Vision 0143, 0144
Soundwave 0149, 0152, 0155
Standard 0141, 0142, 0143, 0149, 0154, 0155, 0229
Starlight 0152
Starlite 0154, 0155
Stenway 0151
Stern 0145, 0146
Strato 0154, 0155
Stylandia 0229
Sunkai 0142
Sunstar 0154, 0155
Sunwood 0142, 0149, 0154, 0155
Superla 0141, 0228, 0229
SuperTech 0154, 0155, 0228
Supra 0142, 0154
Susumu 0143
Sutron 0142, 0154
Sydney 0141, 0228, 0229
Sysline 0152
Sytong 0228

Tandy 0139, 0141, 0143, 0146, 0229
Tashiko 0144, 0145, 0147, 0228, 0229
Tatung 0141, 0149, 0152, 0155, 0229
TCM 0140, 0142
Teac 0155, 0229
Tec 0141, 0142, 0154, 0229
TEDELEX 0229
Teleavia 0148
Telecor 0155, 0229
Telefunken 0148, 0149, 0155, 0157
Telegazi 0155
Telemeister 0155
Telesonic 0155
Telestar 0155
Teletech 0142, 0152, 0154, 0155
Teleton 0141, 0229
Televideon 0228
Televiso 0156
Tensai 0142, 0143, 0149, 0154, 0155, 0229
Tesmet 0149
Tevion 0140, 0142
Texet 0141, 0154, 0228, 0229
Thomson 0121, 0122, 0141, 0148, 0149, 0153, 0155, 0157, 0159, 0210
Thorn 0152, 0155
Tokai 0149, 0155, 0229
Tokyo 0141, 0228
Tomashi 0151
Toshiba 0126, 0127, 0147, 0176, 0209, 0229
Towada 0146, 0229
Trakton 0229
Trans Continens 0155, 0229
Transtec 0228
Trident 0229
Triumph 0155
Vestel 0145, 0146, 0149, 0150, 0152, 0155, 0229
Vexa 0142, 0152, 0154, 0155
Victor 0147, 0149
VIDEOLOGIC 0228
Videologique 0141, 0143, 0228, 0229
VideoSystem 0149, 0155
Videotechnic 0228, 0229
Viewsonic 0223
Visiola 0141, 0228
Vision 0149, 0155, 0229
Vortec 0149, 0152, 0155
Voxson 0132, 0138, 0145, 0146, 0149, 0155

Waltham 0141, 0155, 0229
Watson 0149, 0152, 0155
Watt Radio 0141, 0144, 0228
Wega 0138, 0147, 0155
Wegavox 0154
Weltblick 0149, 0152, 0155, 0229
White Westinghouse 0141, 0144, 0152, 0155, 0228
Xrypton 0155
Yamishi 0155, 0229
Yokan 0155
Yoko 0125, 0140, 0141, 0142, 0143, 0149, 0152, 0154, 0155, 0228, 0229
Yorx 0143
Zanussi 0145, 0229

DVD

If operations are not possible using the preset codes below, you may be able to conduct operations with the preset codes for the **BD**, **DVR (BDR, HDR)**.

Pioneer 2014

AEG 2188
Aiwa 2149
Akai 2096
Akura 2186
Alba 2122, 2133, 2143
Amitech 2188
AMW 2189
Awa 2189

Bang & Olufsen 2191
Bellagio 2189
Best Buy 2185
Brainwave 2188
Brandt 2112, 2139
Bush 2122, 2143, 2177, 2184

Cambridge Audio 2180
CAT 2182, 2183
Centrum 2183
CGV 2180, 2188
Cinetec 2189
Clatronic 2184
Coby 2190
Conia 2177
Continental Edison 2189
Crown 2188
C-Tech 2181
CyberHome 2103, 2132

Daenyx 2189
Daewoo 2130, 2154, 2188, 2189
Daewoo International 2189
Dalton 2187
Dansai 2179, 2188
Daytek 2105, 2128, 2189
Dayton 2189
DEC 2184
Decca 2188
Denon 2161, 2163
Denver 2164, 2184, 2186, 2190
Denzel 2178
Diamond 2180, 2181
DK Digital 2129
Dmtech 2095
Dual 2178
DVX 2181

Easy Home 2185
Eclipse 2180
Electrohome 2188
Elin 2188
Elta 2142, 2188
Enzer 2178

Finlux 2180, 2188

Gericom 2145
Global Solutions 2181
Global Sphere 2181
Goodmans 2122, 2165, 2184
Graetz 2178
Grundig 2148
Grunkel 2188

H&B 2184
Haaz 2180, 2181
HiMAX 2185
Hitachi 2110, 2178, 2185

Innovation 2097

JVC 2119, 2136, 2152

Kansai 2190
Kennex 2188
Kenwood 2146
KeyPlug 2188
Kiiro 2188
Kingavon 2184
Kiss 2178
Koda 2184
KXD 2185

Lawson 2181
Lecson 2179
Lenco 2184, 2188
LG 2111, 2115, 2135, 2138, 2160, 2171
Life 2097
Lifetec 2097
Limit 2181
Loewe 2151
LogicLab 2181

Magnavox 2184
Majestic 2190
Marantz 2157
Marquant 2188
Matsui 2139
Mecotek 2188
Medion 2097
MiCO 2180
Micromaxx 2097
Microstar 2097
Minoka 2188
Mizuda 2184, 2185
Monyka 2178
Mustek 2101
Mx Onda 2180

Naiko 2188
Neufunk 2178
Nevir 2188
NU-TEC 2177

Onkyo 2167
Optim 2179
Optimus 2099
Orava 2184
Orbit 2189
Orion 2156

P&B 2184
Pacific 2181
Panasonic 2113, 2114, 2121, 2127, 2131, 2170
Philips 2100, 2106, 2117, 2118, 2126, 2134, 2157
Pointer 2188
Portland 2188
Powerpoint 2189
Prosonic 2190
Provision 2184

Raite 2178
RedStar 2186, 2188, 2190
Reoc 2181
Roadstar 2116, 2184
Ronin 2189
Rowa 2177
Rownsonic 2183

Saba 2112, 2139
Sabaki 2181
Saivod 2188
Samsung 2110, 2137, 2158, 2173, 2176
Sansui 2180, 2181, 2188
Sanyo 2140, 2166
ScanMagic 2101
Schaub Lorenz 2188
Schneider 2095
Scientific Labs 2181
Scott 2120, 2187
SEG 2116, 2178, 2181, 2189
Sharp 2097, 2141, 2174
Sigmatek 2185
Silva 2186
Singer 2180, 2181
Skymaster 2153, 2181
Skyworth 2186
Slim Art 2188
SM Electronic 2181
Sony 2104, 2108, 2123, 2124, 2125, 2150, 2175
Soundmaster 2181
Soundmax 2181
Spectra 2189
Standard 2181
Star Cluster 2181
Starmedia 2184
Sunkai 2188
Supervision 2181
Synn 2181
Tatung 2130, 2188

TCM 2097
Teac 2162, 2177, 2181
Tec 2186
Technika 2188
Telefunken 2183
Tensai 2188
Tevion 2097, 2181, 2187
Thomson 2098, 2112, 2155, 2159
Tokai 2178, 2186
Toshiba 2102, 2156, 2168, 2169, 2172
TRANScontinents 2189
Trio 2188
TruVision 2185

Wharfedale 2180, 2181

Xbox 2098
Xlogic 2181, 2188
XMS 2188

Yamada 2189
Yamaha 2106
Yamakawa 2178, 2189
Yukai 2101, 2147

BD

If operations are not possible using the preset codes below, you may be able to conduct operations with the preset codes for the **DVD**, **DVR (BDR, HDR)**.

Pioneer 2034, 2192, 2255, 2258, 2259, 2260, 2281

Denon 2310, 2311, 2312
Hitachi 2307, 2308, 2309
JVC 2290, 2291, 2293, 2294, 2295, 2296
LG 2286, 2287
Marantz 2302, 2303
Mitsubishi 2300, 2301
Onkyo 2289
Panasonic 2277, 2278, 2279
Philips 2280
Samsung 2282
Sharp 2304, 2305, 2306
Sony 2283, 2284, 2285, 2292
Toshiba 2288, 2262
Yamaha 2297, 2298, 2299

DVR (BDR, HDR)

If operations are not possible using the preset codes below, you may be able to conduct operations with the preset codes for the **DVD**, **BD**.

Pioneer 2078, 2099, 2107, 2109, 2144, 2157, 2193, 2194, 2195, 2196, 2258, 2259, 2260, 2261, 2264, 2265, 2266, 2270

Panasonic 2263, 2269
Sharp 2267, 2275
Sony 2268, 2271, 2272, 2273, 2276
Toshiba 2274

VCR

Pioneer 1053, 1108

Adyson 1050
Aiwa 1033, 1034, 1035
Akai 1034
Akiba 1040, 1050
Akura 1034, 1040, 1050
Alba 1035, 1036, 1037, 1040, 1050, 1051
Ambassador 1037
Amstrad 1033, 1050, 1051
Anitech 1040, 1050
ASA 1038, 1039
Asuka 1033, 1038, 1039, 1040, 1050
Audiosonic 1051

Baird 1033, 1034, 1036, 1051
Bang & Olufsen 1052
Basic Line 1035, 1036, 1037, 1040, 1050, 1051
Baur 1039
Bestar 1036, 1037, 1051
Black Panther Line 1036, 1051
Blaupunkt 1039
Bondstec 1037, 1050
Bush 1035, 1036, 1040, 1050, 1051

Cathay 1051
Catron 1037
CGE 1033, 1034
Cimline 1035, 1040, 1050
Clatronic 1037, 1050
Condor 1036, 1037, 1051
Crown 1036, 1037, 1040, 1050, 1051

Daewoo 1036, 1037, 1051
Dansai 1040, 1050, 1051
Dantax 1035
Daytron 1036, 1051
De Graaf 1039
Decca 1033, 1034, 1039
Denko 1050
Dual 1034, 1051, 1060
Dumont 1033, 1039

Elbe 1051
Elcatech 1050
Elsay 1050
Elta 1040, 1050, 1051
Emerson 1050
ESC 1036, 1051
Etzuko 1040, 1050

Ferguson 1034
Fidelity 1033, 1050
Finlandia 1039
Finlux 1033, 1034, 1039
Firstline 1035, 1038, 1040, 1050
Flint 1035
Formenti/Phoenix 1039
Frontech 1037
Fujitsu 1033
Funai 1033

Galaxy 1033
GBC 1037, 1040
GEC 1039
Geloso 1040
General 1037
General Technic 1035
GoldHand 1040, 1050
Goldstar 1033, 1048
Goodmans 1033, 1036, 1037, 1038, 1040, 1050, 1051
Graetz 1034
Granada 1039
Grandin 1033, 1036, 1037, 1038, 1040, 1050, 1051
Grundig 1039, 1040

Hanseatic 1038, 1039, 1051
Harwood 1050
HCM 1040, 1050
Hinari 1035, 1040, 1050, 1051
Hisawa 1035
Hitachi 1033, 1034, 1039, 1045
Hypson 1035, 1040, 1050, 1051

Impego 1037
Imperial 1033
Inno Hit 1036, 1037, 1039, 1040, 1050, 1051
Innovation 1035
Interbuy 1038, 1050
Interfunk 1039
Intervision 1033, 1051
Irradio 1038, 1040, 1050
ITT 1034
ITV 1036, 1038, 1051

JVC 1034, 1046

Kaisui 1040, 1050
Karcher 1039
Kendo 1035, 1036, 1037, 1050
Korpel 1040, 1050
Kyoto 1050

Lenco 1036
Leyco 1040, 1050
LG 1033, 1038, 1049

Lifetec 1035
Loewe Opta 1038, 1039
Logik 1040, 1050
Lumatron 1036, 1051
Luxor 1050

M Electronic 1033
Manesth 1040, 1050
Marantz 1039
Mark 1051
Matsui 1035, 1038
Matsushita 1033, 1039
Mediator 1039
Medion 1035
Memorex 1033, 1038
Memphis 1040, 1050
Micromaxx 1035
Microstar 1035
Migros 1033
Multitech 1033, 1037, 1039, 1040, 1050
Murphy 1033

NEC 1034
Neckermann 1034, 1039
NEI 1039
Nesco 1040, 1050
Nikkai 1037, 1050, 1051
Nokia 1034, 1051
Nordmende 1034

Oceanic 1033, 1034
Okano 1035, 1050, 1051
Orion 1035
Orson 1033
Osaki 1033, 1038, 1040, 1050
Otto Versand 1039

Palladium 1034, 1038, 1040, 1050
Panasonic 1043
Pathe Marconi 1034
Perdio 1033
Philco 1050
Philips 1039, 1045, 1052
Phonola 1039
Portland 1036, 1037, 1051
Prinz 1033
Profex 1040
Proline 1033
Prosonic 1035, 1051
Pye 1039

Quelle 1033, 1039

Radialva 1050
Radiola 1039
Rex 1034
RFT 1037, 1039, 1050
Roadstar 1036, 1038, 1040, 1050, 1051
Royal 1050

Saba 1034
Saisho 1035, 1040
Samsung 1041
Samurai 1037, 1050
Sansui 1034
Saville 1051
SBR 1039
Schaub Lorenz 1033, 1034
Schneider 1033, 1035, 1036, 1037, 1038, 1039, 1040, 1050, 1051
SEG 1040, 1050, 1051
SEI-Sinudyne 1039
Seleco 1034
Sentra 1037, 1050
Sentron 1040, 1050
Sharp 1042
Shintom 1040, 1050
Shivaki 1038
Siemens 1038
Silva 1038
Silver 1051
Sinudyne 1039
Solavox 1037
Sonneclair 1050
Sonoko 1036, 1051
Sontec 1038
Sony 1044
Standard 1036, 1051
Stern 1051
Sunkai 1035
Sunstar 1033
Suntronic 1033
Sunwood 1040, 1050
Symphonic 1050

Taisho 1035
Tandberg 1051
Tashiko 1033
Tatung 1033, 1034, 1039
TCM 1035
Teac 1051
Tec 1037, 1050, 1051
Teleavia 1034
Telefunken 1034
Teletech 1050, 1051
Tenosal 1040, 1050
Tensai 1033, 1038, 1040, 1050
Tevion 1035
Thomson 1034, 1048
Thorn 1034
Tokai 1038, 1040, 1050
Tonsai 1040
Toshiba 1034, 1039, 1047
Towada 1040, 1050
Towika 1040, 1050
TVA 1037

Uher 1038
Ultravox 1051
United Quick Star 1036, 1051
Universum 1033, 1038, 1039

Videon 1035

Weltblick 1038

Yamishi 1040, 1050
Yokan 1040, 1050
Yoko 1037, 1038, 1040, 1050

Satellite Set Top Box

Pioneer 6220, 6219, 6204

@sat 6251
@Sky 6238

ABsat 6180
Acoustic Solutions 6217
ADB 6174
Akai 6214
Akura 6228
Alba 6176, 6200, 6180, 6217
Allsat 6214
Alltech 6180
Allvision 6252, 6238, 6199
Amitronica 6180
Ampere 6256, 6261
Amstrad 6202, 6243, 6256, 6261, 6236, 6180
Anglo 6180
Ankaro 6180
Ansonic 6245
Anttron 6200
Apollo 6176
Apro 6232
Arcon 6192
Arcus 6193
Armstrong 6214
Arnion 6251
ASA 6230
Asat 6214
ASCI 6213, 6238
ASLF 6180
AssCom 6220
Astra 6255, 6180
Astratec 6268, 6269
Astrell 6202
Astro 6177, 6236, 6255, 6200, 6246, 6215, 6222, 6243
Atlanta 6245
Atsat 6251
AtSky 6238
Audioline 6232
Audioton 6200
Austar 6174
Avalon 6261
Axil 6244, 6186, 6245
Axis 6267
Axitronic 6228

B.net 6232
B@ytronic 6230, 6199
Balmet 6186
Beko 6176
Belson 6245
Big Sat 6186
Black Diamond 6217
Blaupunkt 6177
Blue Sky 6180
Boca 6256, 6180, 6252, 6185, 6257, 6237, 6187, 6188
Bodner & Mann 6194

Boshmann 6244, 6247
Boston 6227
Brainwave 6232, 6231
British Sky Broadcasting 6210
Broco 6180
BskyB 6210
BT 6195
Bubu Sat 6180
Bush 6254, 6217, 6264, 6228, 6190, 6232, 6268, 6201, 6265, 6182

Cambridge 6236
Canal Digital 6220
Canal Satellite 6220, 6219, 6278, 6277
Canal+ 6220, 6277
CGV 6244, 6183
Cherokee 6194
Chess 6213, 6180, 6238, 6228
CityCom 6229, 6255, 6179, 6192, 6241, 6252
Clark 6200
Classic 6232
Clatronic 6244
Clayton 6228
Clemens Kamphus 6261
Cobra 6261
Colombia 6256
Columbia 6256
Comag 6256, 6252, 6185, 6199, 6244, 6257, 6237, 6189, 6187, 6188
Comsat 6244
Condor 6255, 6253
Connexions 6261
Conrad 6256, 6236, 6207, 6255
Coship 6186, 6232
Crown 6217
Cryptovision 6176
CS 6247
Cyfrowy Polsat 6220
Cyrus 6214

D-box 6275
Daewoo 6267, 6180, 6195, 6268, 6182
Dantax 6228
Deltasat 6192
Denver 6245
Digatron 6231
Digenius 6229, 6226
Digiality 6255, 6238
Digifusion 6268, 6269
Digihome 6217, 6265, 6218
DigiLogic 6217
DigiQuest 6251, 6186, 6247
DigiSat 6252
Digisky 6186
Digital 6187
Digital Vision 6269
DigitalBox 6222, 6247
Dijam 6195
DirecTV 6263
Discovery 6194
Distratel 6202, 6250
DMT 6192
DNT 6214, 6261
Doro 6232
Dual 6252
Durabrand 6217, 6218

Echolink 6185
Echostar 6220, 6233, 6261, 6176, 6180, 6181, 6239
Edision 6247
Einhell 6256, 6236, 6180
Elap 6180, 6244, 6183
Elbe 6245
Elless 6230
Elsat 6180
Elta 6214
eMTech 6196
Energy Sistem 6247
Engel 6180, 6227
EP Sat 6176
Eurieult 6202
Eurocrypt 6176
EuroLine 6227
Europa 6236, 6255
Europhon 6256, 6229, 6255
Eurosat 6189
Eurosky 6256, 6213, 6229, 6236, 6255, 6230
Eurostar 6255, 6179
Eutelsat 6180
Eutra 6230
Evesham 6218
Exator 6200

Fagor 6203
Fenner 6180
Ferguson 6176, 6264, 6268, 6269
Fidelity 6236
Finlandia 6176
Finlux 6176, 6207, 6228
FinnSat 6230
Flair Mate 6180
Fly Com 6186
FMD 6213, 6244, 6186
Freecom 6236
FTEmaximal 6180, 6189
Fuba 6177, 6229, 6261, 6207, 6226, 6196

Galaxis 6220, 6267
Gardiner 6179
Garnet 6192
GbSAT 6196
Gecco 6246, 6199
General Satellite 6241
Globo 6230, 6227, 6238, 6199, 6257
GOD Digital 6214
Gold Box 6220, 6219
Gold Vision 6247
Golden Interstar 6250
Goodmans 6176, 6254, 6217, 6264, 6271, 6218, 6201, 6190
Gran Prix 6230
Granada 6176
Grandin 6228
Grocos 6239, 6186
Grundig 6220, 6177, 6217, 6264, 6232, 6218, 6201, 6190

Haensel & Gretel 6256
Haier 6245
Hama 6183
Hanseatic 6215, 6222
Hauppauge 6231, 6232
HB 6196
Heliocom 6255
Helium 6255
Hiro 6189
Hirschmann 6267, 6177, 6229, 6261, 6236, 6207, 6255, 6230, 6252, 6199, 6189
Hitachi 6176, 6217, 6218
HNE 6256
Hornet 6251
Houston 6261
Humax 6241, 6268, 6242
Huth 6256, 6255, 6192, 6193
Hyundai 6192

ID Digital 6241
ILLUSION sat 6247
Imperial 6222, 6216, 6223, 6238, 6232
Ingelen 6213, 6261
Inno Hit 6228
International 6256
Interstar 6196
Intervision 6255
Inves 6268
iotronic 6244
ITT Nokia 6176, 6207

Jaeger 6238

K-SAT 6180
Kamm 6180
Kaon 6251
KaTelco 6267
Kathrein 6177, 6214, 6213, 6262, 6200, 6180, 6179, 6272, 6183
Kendo 6252
Kenwood 6220
Key West 6256
Kiton 6213
KR 6200
Kreiling 6213, 6194, 6228
Kreiselmeyer 6177
Kyostar 6200

L&S Electronic 6256, 6238
Labgear 6195
LaSAT 6177, 6256, 6229, 6255, 6230
Leiko 6228
Lemon 6238
Lenco 6255, 6180
Lenson 6236
LG 6192
Lifesat 6256, 6229, 6180
Listo 6228
Lodos 6217
Logik 6217
Logix 6192
Lorenzen 6256, 6229, 6255, 6226, 6231, 6257, 6237
Luxor 6236, 6207, 6265

M Electronic 6179
Manata 6256, 6180
Manhattan 6176, 6251
Marantz 6214
Maspro 6177, 6180
Matsui 6177, 6217, 6271, 6228, 6268, 6269
Max 6255
Maximum 6192, 6238
Mediabox 6220, 6219
Mediacom 6198
MediaSat 6220, 6219, 6236, 6278, 6277
Medion 6256, 6229, 6180, 6230, 6192, 6252, 6238, 6199, 6228
Medison 6180
Mega 6214
MegaSat 6189
Metronic 6256, 6200, 6180, 6179, 6202, 6250, 6238, 6244
Metz 6177
Micro 6236, 6255, 6200, 6180, 6231
Micro Elektronic 6180
Micro Technology 6180
Micromaxx 6229
Microstar 6229, 6192, 6226
Microtec 6180
Mitsubishi 6176
Morgan's 6214, 6256, 6180, 6252, 6199
Multibroadcast 6174
Multichoice 6174
Myryad 6214
Mysat 6180
MySky 6212, 6211

NEOTION 6238
Netsat 6263
Neuhaus 6236, 6255, 6180
Neuling 6256, 6252, 6257, 6188
Neusat 6180
Neveling 6226
Newton 6261
NextWave 6193
Nichimen 6254
Nikko 6214, 6180
Noda Electronic 6202
Nokia 6220, 6176, 6207, 6206
Nordmende 6176

Octagon 6200
OctalTV 6231
Onn 6217, 6218
Opentel 6252, 6199
Optex 6213, 6180, 6250, 6244, 6203, 6228
Orbis 6252, 6238, 6199
Orbitech 6213, 6236, 6215, 6222, 6216, 6223
P/Sat 6252
Pace 6220, 6214, 6176, 6181, 6273, 6212, 6211
Pacific 6217
Packard Bell 6267
Palcom 6229, 6226, 6239
Palladium 6261, 6236
Palsat 6236
Panasonic 6176, 6178
Panda 6177, 6176, 6255
Pansat 6191
Pass 6183
Patriot 6256
peeKTon 6186, 6245
Philips 6220, 6177, 6214, 6275, 6219, 6277, 6268, 6232, 6179, 6200, 6176, 6263
Phoenix 6245
Phonotrend 6233
Pilotime 6278
Pino 6238
Pixx 6191
Planet 6261
PMB 6180, 6203
Polytron 6261
Portland 6195
Preisner 6256, 6261, 6243, 6185
Premier 6219
Primacom 6267
Pro Basic 6220, 6184
Proline 6217
Promax 6176
Proscan 6234
Quelle 6229, 6255
Radiola 6214
Radix 6261, 6243
Rainbow 6200
RCA 6234
Rebox 6196
Regal 6227
RFT 6214
Roadstar 6220, 6180
Rollmaster 6244
Rover 6180
Rownsonic 6183
SAB 6227, 6251
Saba 6255, 6230, 6202, 6184
Sabre 6176
Sagem 6275, 6258, 6277
Saivod 6245
Salora 6252
Samsung 6220, 6198, 6197, 6273, 6253
Sanyo 6228
SAT 6236
Sat Control 6251
Sat Partner 6236, 6200
Sat Team 6180
SAT+ 6239
Satcom 6255
Satec 6180
Satelco 6252
Satplus 6222
SatyCon 6247
Schaecke 6200
Schaub Lorenz 6196, 6245
Schneider 6198, 6227
Schwaiger 6267, 6256, 6262, 6255, 6230, 6202, 6192, 6238, 6199, 6186, 6257, 6247, 6232, 6187, 6188
Scientific Atlanta 6209
SCS 6229, 6230
Sedea Electronique 6256, 6213, 6198, 6250, 6228
Seemann 6261
SEG 6213, 6192, 6227, 6217, 6228
Septimo 6202
Serd 6199
Servimat 6203
ServiSat 6180, 6227
Shark 6247
Sharp 6265, 6218
Siemens 6177, 6261, 6238
Sigmatek 6245
Silva 6229
SilverCrest 6187
Skantin 6180
SKR 6180
SKT 6256
SKY 6263, 6210, 6212, 6211
SKY Italia 6220, 6212
Sky XL 6227, 6199
Skymaster 6233, 6180, 6192, 6238, 6239, 6183, 6203, 6184
Skymax 6214, 6244
Skypex 6230
Skyplus 6230, 6252, 6238, 6199
SkySat 6213, 6236, 6255, 6180
Skyvision 6238
SL 6256, 6229, 6230, 6231, 6257, 6232
SM Electronic 6233, 6180, 6239
Smart 6256, 6261, 6180, 6243, 6252, 6246, 6244, 6257, 6247
SmartVision 6186
Sony 6235, 6220, 6219, 6176
SR 6256
Star Sat 6196
Starland 6180
Starlite 6214
Stream 6212
Stream System 6251
Strong 6220, 6228, 6256, 6200, 6180, 6245, 6217, 6239
Sumin 6199
Sunny 6251
Sunsat 6180
Sunstar 6174, 6256
SuperMax 6193
Supratech 6244

Systec 6238
Tantec 6176
Targa 6191
Tatung 6176
TBoston 6227, 6245
Tecatel 6233
Technical 6228
Technika 6217, 6232, 6218
TechniSat 6213, 6261, 6176, 6236, 6215, 6222, 6216, 6223
Technomate 6250
Technosat 6193
Technosonic 6254, 6232
Technotrend 6232
Technowelt 6256, 6255
Techwood 6213, 6217, 6228, 6218
Telasat 6255
TELE System 6261, 6227, 6239, 6203
Telecief 6200
Teleka 6261, 6236, 6255, 6200
Telesat 6255
Telestar 6213, 6236, 6215, 6222, 6216, 6223, 6227, 6238, 6228, 6232
Teletech 6213
Televes 6256, 6176, 6236, 6196, 6251, 6238, 6257
Telewire 6252
Tempo 6193
Tevion 6254, 6180, 6239, 6232, 6184
Thomson 6220, 6219, 6180, 6255, 6176, 6265, 6277, 6234, 6264, 6210, 6212
Thorn 6176
Tiny 6232
Tioko 6256
Titan 6189, 6184
TNT SAT 6258
Tokai 6214
Tonna 6176, 6236, 6180, 6203
Topfield 6198
Toshiba 6176, 6217
Trevi 6227
Triasat 6236
Triax 6220, 6214, 6256, 6189, 6253, 6228, 6203, 6261, 6213, 6257, 6244, 6195, 6264, 6227, 6243, 6180, 6236
Turnsat 6180
Twinner 6180, 6203

Unisat 6214, 6256
United 6227
Univers 6189
Universum 6177, 6213, 6229, 6255, 6230, 6215, 6227

Van Hunen 6226
Variosat 6177
VEA 6245
Ventana 6214
Vestel 6213, 6227, 6217, 6218
VH Sat 6229
Viasat 6273
Viola Digital 6232
Vision 6228, 6189
Visionic 6250
Visiosat 6213, 6254, 6180, 6244, 6186, 6191
Vitecom 6244
Volcasat 6245
VTech 6179

Wetekom 6236
Wewa 6176
Wharfedale 6217, 6265, 6218
Wisi 6177, 6256, 6229, 6261, 6176, 6236, 6255, 6230, 6252, 6199
Worldsat 6213, 6196, 6227, 6194
Worthit! 6190
Woxter 6245

Xoro 6191
Xsat 6180, 6196, 6181
Xtreme 6251

Yakumo 6244

ZapMaster 6230
Zehnder 6213, 6262, 6179, 6192, 6252, 6227, 6238, 6199, 6244, 6247, 6249
Zeta Technology 6214
Zodiac 6261, 6200

Satellite Set Top Box (SAT/PVR Combination)

@sat 6251

Allvision 6199
Atsat 6251

B@ytronic 6230, 6199
Boca 6187
BskyB 6210
Bush 6254

Canal Satellite 6278
Comag 6199, 6187

Daewoo 6182
Digifusion 6269
Digihome 6218
DigiQuest 6251
Digital 6187
DMT 6192

Edision 6247
eMTech 6196

GbSAT 6196
Gecco 6199
Globo 6199
Goodmans 6254, 6218

Hirschmann 6230, 6199
Humax 6241, 6242
Huth 6192
Hyundai 6192

Kathrein 6272
LaSAT 6230
LG 6192
Luxor 6265

Maximum 6238
Mediacom 6198
MediaSat 6277
Medion 6230, 6199
Microstar 6192
Morgan's 6199
MySky 6212, 6211

NEOTION 6238
Nichimen 6254
Nokia 6206

Opentel 6199
Orbis 6199

Pace 6273, 6211
Panasonic 6178
Philips 6263, 6277
Pilotime 6278
Pixx 6191
Proscan 6234

Rebox 6196

Sagem 6258
Samsung 6198, 6197, 6273
Sat Control 6251
Schneider 6198
Schwaiger 6230, 6192, 6199, 6187
Sedea Electronique 6198
Serd 6199
Sharp 6218
SilverCrest 6187
SKY 6210, 6212, 6211
SKY Italia 6212
Sky XL 6199
Skymaster 6192
Skypex 6230
Skyplus 6230, 6238, 6199
Stream System 6251
Sumin 6199
Sunny 6251

Targa 6191
TechniSat 6216, 6223
Technosonic 6254
Telestar 6216, 6223
Thomson 6210, 6265
TNT SAT 6258
Topfield 6198

Viasat 6273
Visiosat 6254, 6191

Wisi 6230

Xoro 6191
Xtreme 6251

Zehnder 6192, 6199, 6249

Cable Set Top Box

Pioneer 6205, 6325, 6328, 6329

ABC 6266
ADB 6175
Auna 6175
Austar 6276

Bell & Howell 6266
Birmingham Cable Communications 6276

Cablecom 6270

Fosgate 6276
France Telecom 6260
Freebox 6274

General Instrument 6276, 6266

Humax 6224, 6248

Jerrold 6276, 6266

Kabel Deutschland 6224

Macab 6260
Madritel 6175
Magnavox 6266
Memorex 6240
Motorola 6276

Nokia 6208
Noos 6260
NTL 6276, 6221

Optus 6276
Orange 6260

Pace 6221
Panasonic 6240
Paragon 6240
Philips 6260, 6270
Pulsar 6240
Runco 6240

Sagem 6260
Salora 6240
Samsung 6221, 6240
Scientific Atlanta 6225
StarHub 6276
Supercable 6276

Telewest 6225
Thomson 6270, 6224
Toshiba 6240

UPC 6270
US Electronics 6276

Virgin Media 6225, 6221
Visiopass 6260

Zenith 6240
Ziggo 6208

Cable Set Top Box (Cable/PVR Combination)

Freebox 6274
Humax 6248, 6224
Nokia 6208
Scientific Atlanta 6225
Telewest 6225
Thomson 6270
UPC 6270
Virgin Media 6225

CD

Pioneer 5000, 5011, 5062, 5063, 5064, 5067, 5068, 5070, 5071, 5072, 5073, 5074, 5075

AKAI 5043
Asuka 5045
Denon 5019
Fisher 5048
Goldstar 5040
Hitachi 5042
Kenwood 5020, 5021, 5031
Luxman 5049
Marantz 5033
Onkyo 5017, 5018, 5030, 5050
Panasonic 5036
Philips 5022, 5032, 5044
RCA 5013, 5029
Roadstar 5052
Sharp 5051
Sony 5012, 5023, 5026, 5027, 5028, 5039
TEAC 5015, 5016, 5034, 5035, 5037
Technics 5041
Victor 5014
Yamaha 5024, 5025, 5038, 5046, 5047

CD-R

Pioneer 5001, 5053, 5071

Philips 5054
Yamaha 5055

Laser Disc Player

Pioneer 5002, 5003, 5004, 5005, 5006, 5007, 5008, 5009, 5010

Casette Deck

Pioneer 5058, 5059

Digital Tape

Pioneer 5057

MD

Pioneer 5056

Network Audio Player

Pioneer 5063

Game

X-Box 2313

AV Receiver

Pioneer 5062

Troubleshooting

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Take a look at the other components and electrical appliances being used, because sometimes the problem may lie there. If the trouble isn't sorted out even after going through the checks below, ask your nearest Pioneer authorized independent service company to carry out repair work.

- If the unit does not operate normally due to external effects such as static electricity disconnect the power plug from the outlet and insert again to return to normal operating conditions.

General

❖ **The power does not turn on.**
→ Disconnect the power plug from the outlet, and insert again.
→ Make sure there are no loose strands of speaker wire touching the rear panel. This could cause the receiver to shut off automatically.

❖ **The receiver suddenly switches off.**
→ When the Auto Power Down function is working, the power will automatically turn off if the receiver has not operated for several hours. Check the setting for the Auto Power Down function (see *The Auto Power Down menu* on page 52).
→ After about a minute (you won't be able to switch the unit on during this time), switch the receiver back on. If the message persists, call a Pioneer authorized independent service company.

❖ **The power suddenly turns on or off, or the input suddenly changes (When the Control with HDMI is ON).**
→ This happens because of the synchronized operation due to the **Control** with HDMI function. If synchronized operations are not needed, set the **Control** with HDMI to **OFF** (see *HDMI Setup* on page 53).

❖ **OVERHEAT shows in the display and the power turns off.**
→ The temperature within the unit has exceeded the allowable value. Try moving the unit for better ventilation (page 2).
→ Lower the volume level.

❖ **TEMP shows in the display and the volume level drops.**
→ The temperature within the unit has exceeded the allowable value. Try moving the unit for better ventilation (page 2).
→ Lower the volume level.

❖ **No sound is output when an input function is selected.**
→ Use **VOLUME +/–** to turn up the volume.
→ Press **MUTE** on the remote control to turn muting off.
→ Press **SPEAKERS** to select the proper speaker set (see *Switching the speaker terminal* on page 14).
→ Set the **SIGNAL SEL** to **H** (HDMI), **C1**/**O1** (digital) or **A** (analog) according to the type of connections made (page 25).
→ Make sure the component is connected correctly (refer to *Connecting your equipment* on page 11).
→ Check the audio output settings of the source component.
→ Refer to the instruction manual supplied with the source component.

❖ **No image is output when an input function is selected.**
→ Make sure the component is connected correctly (refer to *Connecting your equipment* on page 11).
→ *VSX-527 only:* Use the same type of video cables for the source component and TV to connect to this receiver (see *About video outputs connection (VSX-527 only)* on page 16).
→ *VSX-827 only:* Check *The Input Assign menu* on page 50 to make sure you're assigned the correct input.
→ The video input selected on the TV monitor is incorrect. Refer to the instruction manual supplied with the TV.
→ *VSX-827 only:* For HDMI, or when Video Converter is set to **OFF** and a TV and another component are connected with different cords (in *Video Converter* on page 50), you must connect your TV to this receiver using the same type of video cable as you used to connect your video component.
→ *VSX-827 only:* Some components (such as video game units) have resolutions that may not be converted. If adjusting this receiver's Resolution setting (in *Resolution* on page 51) and/or the resolution settings on your component or display doesn't work, try switching Video Converter (in *Video Converter* on page 50) **OFF**.

❖ **No sound from subwoofer.**
→ Make sure the subwoofer is switched on.
→ If the subwoofer has a volume knob, make sure it's turned up.
→ The Dolby Digital or DTS source you are listening to may not have an LFE channel.
→ Switch the subwoofer setting in *Speaker Setting* on page 47 to **YES** or **PLUS**.
→ Switch the *LFE ATT (LFE Attenuate)* on page 37 to **LFEATT 0** or **LFEATT 5**.

❖ **No sound from surround or center speakers.**
→ Connect the speakers properly (page 12).
→ Refer to *Speaker Setting* on page 47 to check the speaker settings.
→ Refer to *Channel Level* on page 49 to check the speaker levels.

❖ **The OSD screen (Home Menu, etc.) isn't displayed.**
→ The OSD will not appear if you have connected using the composite output to your TV. Use HDMI connection when setting up the system.

❖ **The Phase Control feature doesn't seem to have an audible effect.**
→ If applicable, check that the lowpass filter switch on your subwoofer is off, or the lowpass cutoff is set to the highest frequency setting. If there is a PHASE setting on your subwoofer, set it to 0° (or depending on the subwoofer, the setting where you think it has the best overall effect on the sound).
→ Make sure the speaker distance setting is correct for all speakers (see *Speaker Distance* on page 49).

❖ **Considerable noise in radio broadcasts.**
→ Connect the antenna (page 21) and adjust the position for best reception.
→ Route any loose cables away from the antenna terminals and wires.
→ Fully extend the FM wire antenna, position for best reception, and secure to a wall (or connect an outdoor FM antenna).
→ Connect an additional internal or external AM antenna (page 21).
→ Turn off equipment causing interference or move it away from the receiver (or move antennas farther away from equipment causing noise).

❖ **Broadcast stations cannot be selected automatically.**
→ Connect an outdoor antenna (page 21).

❖ **Noise during playback of a cassette deck.**
→ Move the cassette deck away from your receiver, until the noise disappears.

❖ **No sound is output or a noise is output when software with DTS is played back.**
→ Make sure the player's settings are correct and/or the DTS signal out is on. Refer to the instruction manual supplied with the DVD player.

❖ **There seems to be a time lag between the speakers and the output of the subwoofer.**
→ See *Automatically setting up for surround sound (MCACC)* on page 23 to set up your system again using MCACC (this will automatically compensate for a delay in the subwoofer output).

❖ **After using the Auto MCACC setup, the speaker size setting (LARGE or SMALL) is incorrect.**
→ Low-frequency noise could have been caused by an air conditioner or motor. Switch off all appliances in the room and rerun the Auto MCACC setup.

❖ **Can't operate the remote control.**
→ Replace the batteries (page 10).
→ Operate within 7 m, 30° of the remote sensor (page 10).
→ Remove the obstacle or operate from another position.
→ Avoid exposing the remote sensor on the front panel to direct light.

❖ **The display is dark or off.**
→ Press **DIMMER** on the remote control repeatedly to return to the default.

❖ **The front panel display switches over for no apparent reason to various different displays.**
→ This happens because the demo display is in operation. To turn off the demo display, press any button to go back to the original display, or set the **FL Demo Mode** to **OFF** (see *The FL Demo Mode menu* on page 52).

❖ **The receiver doesn't recognize iPod touch/iPhone.**
→ Try the following.
1. Simultaneously keep pressing the sleep button and home button on the iPod touch or iPhone for over 10 seconds to restart.
2. Turn on the receiver.
3. Connect the iPod touch/iPhone to the receiver.

❖ **The *Bluetooth* wireless technology device cannot be connected or operated. Sound from the *Bluetooth* wireless technology device is not emitted or the sound is interrupted.**
→ Check that no object that emits electromagnetic waves in the 2.4 GHz band (microwave oven, wireless LAN device or *Bluetooth* wireless technology apparatus) is near the unit. If such an object is near the unit, set the unit far from it. Or, stop using the object emitting the electromagnetic waves.
→ Check that the *Bluetooth* wireless technology device is not too far from the unit and that obstructions are not set between the *Bluetooth* wireless technology device and the unit. Set the *Bluetooth* wireless technology device and the unit so that the distance between them is less than about 10 m and no obstructions exist between them.
→ Check that the *Bluetooth* ADAPTER and the **ADAPTER PORT** terminal of the unit are correctly connected.
→ The *Bluetooth* wireless technology device may not be set to the communication mode supporting the *Bluetooth* wireless technology. Check the setting of the *Bluetooth* wireless technology device.
→ Check that pairing is correct. The pairing setting was deleted from this unit or the *Bluetooth* wireless technology device. Reset the pairing.
→ Check that the profile is correct. Use a *Bluetooth* wireless technology device that supports A2DP profile and AVRCP profile.

NETWORK feature

❖ **Cannot access the network.**
→ The LAN cable is not firmly connected. Firmly connect the LAN cable (page 20).
→ The router is not switched on. Switch on the router.
→ Internet security software is currently installed in the connected component. There are cases where a component with Internet security software installed cannot be accessed.
→ The audio component on the network which has been switched off is switched on. Switch on the audio component on the network before switching on this receiver.

❖ **Playback does not start while 'Connecting Wired...' continues to be displayed.**
→ The component is currently disconnected from this receiver or the power supply. Check whether the component is properly connected to this receiver or the power supply.

❖ **The PC or Internet radio is not properly operated.**
→ The corresponding IP address is not properly set. Switch on the built-in DHCP server function of your router, or set up the network manually according to your network environment (page 52).
→ The IP address is being automatically configured. The automatic configuration process takes time. Please wait.

❖ **The audio files stored on components on the network, such as a PC, cannot be played back.**
→ Windows Media Player 11 or Windows Media Player 12 is not currently installed on your PC. Install Windows Media Player 11 or Windows Media Player 12 on your PC.
→ Audio files recorded in MPEG-4 AAC or FLAC are being played back on Windows Media Player 11 or Windows Media Player 12. Audio files recorded in MPEG-4 AAC or FLAC cannot be played back on Windows Media Player 11 or Windows Media Player 12. Try using another server. Refer to the operation manual supplied with your server.
→ The component connected to the network is not properly operated.
– Check whether the component is affected by special circumstances or is in the sleep mode.
– Try rebooting the component if necessary.
→ The component connected to the network does not permit file sharing. Try changing the settings for the component connected to the network.
→ The folder stored on the component connected to the network has been deleted or damaged. Check the folder stored on the component connected to the network.

→ Network connections could be restricted due to the computer's network settings, security settings, etc. Check the computer's network settings, security settings, etc.
→ Supported file formats vary by server. As such, files not supported by your server are not displayed on this unit. For more information check with the manufacturer of your server.

❖ **Cannot access the component connected to the network.**
→ The component connected to the network is not properly set. If the client is automatically authorized, you need to enter the corresponding information again. Check whether the connection status is set to "Do not authorize".
→ There are no playable audio files on the component connected to the network. Check the audio files stored on the component connected to the network.

❖ **Audio playback is undesirably stopped or disturbed.**
→ The audio file currently being played back was not recorded in a format playable on this receiver.
- Check whether the audio file was recorded in a format supported by this receiver.
- Check whether the folder has been damaged or corrupted.
- Note that there are cases where even the audio files listed as playable on this receiver cannot be played back or displayed (page 46).

→ The LAN cable is currently disconnected. Connect the LAN cable properly (page 20).
→ There is heavy traffic on the network with the Internet being accessed on the same network. Use 100BASE-TX to access the components on the network.
→ When in the DMR mode, depending on the external controller being used, playback may be interrupted when a volume operation is performed from the controller. In this case, adjust the volume from the receiver or remote control.

❖ **Cannot access Windows Media Player 11 or Windows Media Player 12.**
→ *In case of Windows Media Player 11:* You are currently logged onto the domain through your PC with Windows XP or Windows Vista installed. Instead of logging onto the domain, log onto the local machine (page 40).
→ *In case of Windows Media Player 12:* You are currently logged onto the domain through your PC with Windows 7 installed. Instead of logging onto the domain, log onto the local machine (page 40).

❖ **Cannot listen to Internet radio stations.**
→ The firewall settings for components on the network are currently in operation. Check the firewall settings for components on the network.
→ You are currently disconnected from the Internet. Check the connection settings for components on the network, and consult with your network service provider if necessary (page 41).
→ The broadcasts from an Internet radio station are stopped or interrupted. There are cases where you cannot listen to some Internet radio stations even when they are listed in the list of Internet radio stations on this receiver (page 40).

❖ **The NETWORK function cannot be operated with the buttons on the remote control.**
→ The remote control is not currently set to the NETWORK mode. Press **NETWORK** to set the remote control to the NETWORK mode (page 44).

HDMI

❖ **No picture or sound.**
→ If the problem still persists when connecting your HDMI component directly to your monitor, please consult the component or monitor manual or contact the manufacturer for support.

❖ **No picture.**
→ *VSX-527 only:* Video signals that are input from the analog video terminal will not output from the HDMI terminal. Signals that are input from the HDMI terminal will not output from the analog video terminal. Be consistent with the type of cable between input and output.
→ Depending in the output settings of the source component, it may be outputting a video format that can't be displayed. Change the output settings of the source, or connect using the composite video jacks.
→ This receiver is HDCP-compatible. Check that the components you are connecting are also HDCP-compatible. If they are not, please connect them using the composite video jacks.
→ Depending on the connected source component, it's possible that it will not work with this receiver (even if it is HDCP-compatible). In this case, connect using the composite video jacks between source and receiver.
→ If video images do not appear on your TV, try adjusting the resolution, Deep Color or other setting for your component.
→ To output signals in Deep Color, use an HDMI cable (High Speed HDMI® Cable) to connect this receiver to a component or TV with the Deep Color feature.

❖ **No sound, or sound suddenly ceases.**
→ Check that the **HDMI** setting is set to **AMP** (page 37).
→ If the component is a DVI device, use a separate connection for the audio.
→ HDMI format digital audio transmissions require a longer time to be recognized. Due to this, interruption in the audio may occur when switching between audio formats or beginning playback.
→ Turning on/off the device connected to this unit's HDMI OUT terminal during playback, or disconnecting/connecting the HDMI cable during playback, may cause noise or interrupted audio.

❖ **Synchronized operation not possible using Control with HDMI function.**
→ Check the HDMI connections.
→ The cable may be damaged.
→ Select **ON** for the **Control** with HDMI setting (see *HDMI Setup on page 53*).
→ Turn the TV's power on before turning on this receiver's power.
→ Set the TV side Control with HDMI setting to on (see TV's operating instructions).

Important information regarding the HDMI connection

There are cases where you may not be able to route HDMI signals through this receiver (this depends on the HDMI equipped component you are connecting-check with the manufacturer for HDMI compatibility information).
If you aren't receiving HDMI signals properly through this receiver (from your component), please try the following configuration when connecting up.

Configuration A

Connect your HDMI-equipped component directly to the display using an HDMI cable. Then use the most convenient connection (digital is recommended) for sending audio to the receiver. See the operating instructions for more on audio connections. Set the display volume to minimum when using this configuration.

Note

- Depending on the component, audio output may be limited to the number of channels available from the connected display unit (for example audio output is reduced to 2 channels for a monitor with stereo audio limitations).

- If you want to switch the input source, you'll have to switch functions on both the receiver and your display unit.
- Since the sound is muted on the display when using the HDMI connection, you must adjust the volume on the display every time you switch input sources.

Configuration B (VSX-827 only)

Use component video cables to connect the video output of your HDMI-equipped component to the receiver's component video input. The receiver can then convert the analog component video signal to a digital HDMI signal for transmission to the display. For this configuration, use the most convenient connection (digital is recommended) for sending audio to the receiver. See the operating instructions for more on audio connections.

Note

- The picture quality will change slightly during conversion.

Windows 7

Windows and the Windows logo are trademarks of the Microsoft group of companies.

About iPod/iPhone/iPad

"Made for iPod," "Made for iPhone" and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

Apple, AirPlay, iPad, iPhone, iPod, iPod shuffle, iPod nano, iPod touch, iTunes and Mac are trademarks of Apple Inc., registered in the U.S. and other countries.
The AirPlay logo is a trademark of Apple Inc.

About FLAC

FLAC Decoder

Copyright © 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 Josh Coalson

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

About messages displayed when using network functions

Refer to the following information when you come up with a status message while operating the Network functions.

Status messages	Descriptions
Connection Down	The selected category or Internet radio station cannot be accessed.
File Format Error	Cannot be played back for some reasons.
Track Not Found	The selected song has not been found anywhere on the network.
Server Error	The selected server cannot be accessed.
Server Disconnected	The server has been disconnected.
Empty	There are no files stored in the selected folder.
License Error	The license for the contents to be played back is invalid.
Item Already Exists	This is displayed when the file you have attempted to register in the Favorites folder has already been registered.
Favorite List Full	This is displayed when you have attempted to register a file in the Favorites folder but the Favorites folder is already full.

Resetting the main unit

Use this procedure to reset all the receiver's settings to the factory default. Use the front panel controls to do this.

- For instructions on resetting the network connection settings, see *Factory Reset* on page 43.

1. **Switch the receiver into standby.**
2. **While holding down BAND, press and hold ⏻STANDBY/ON for about two seconds.**
3. **When you see RESET? appear in the display, press AUTO SURROUND/STREAM DIRECT.**
   OK? shows in the display.
4. **Press ALC/STANDARD SURR to confirm.**
   OK appears in the display to indicate that the receiver has been reset to the factory default settings.

Important

- If the **Control** with HDMI function is set to **ON**, you may not be able to reset the unit. In this case, reset either by turning **OFF** the **Control** with HDMI function, or by putting the unit into standby mode by turning off the power of all the connected devices, and resetting after the HDMI indicator on the front panel turns off.

Cleaning the unit

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surface is dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleansers.
- Never use thinners, benzine, insecticide sprays or other chemicals on or near this unit, since these will corrode the surface.

DOLBY TRUEHD PRO LOGIC IIz

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", "Surround EX", and the double-D symbol are trademarks of Dolby Laboratories.

dts-HD Master Audio

Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS-HD, the Symbol, & DTS-HD and the Symbol together are registered trademarks & DTS-HD Master Audio is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

Specifications

Audio section

Rated power output
Front, Center, Surround
. . . . . 130 W per channel (1 kHz, 6 Ω, 1 %)
100 W per channel (20 Hz to 20 kHz, 8 Ω, 0.09 %)
Total Harmonic Distortion
. . . . . 0.06 % (20 Hz to 20 kHz, 8 Ω, 50 W/ch)
Frequency response (LINE Pure Direct mode)
. . . . . 5 Hz to 100 kHz $^{+3}_{-3}$ dB
Guaranteed speaker impedance. . . . . 6 Ω to 16 Ω
Input (Sensitivity/Impedance)
LINE. . . . . .200 mV/47 kΩ
Signal-to-Noise Ratio (IHF, short circuited, A network)
LINE. . . . . .98 dB

Video Section

Signal level
Composite. . . . . 1 Vp-p (75 Ω)

Tuner Section

Frequency Range (FM). . . . . 87.5 MHz to 108 MHz
Antenna Input (FM) . . . . . .75 Ω unbalanced
Frequency Range (AM) . . . . . 531 kHz to 1602 kHz
Antenna (AM) . . . . . .Loop antenna

Digital In/Out Section

HDMI terminal . . . . . .Type A (19-pin)
HDMI output type. . . . . 5 V, 100 mA
USB terminal . . . . . .USB2.0 High Speed (Type A) 5 V, 2.1 A
iPod terminal . . . . . USB, and Video (Composite)
ADAPTER PORT terminal . . . . . 5 V, 100 mA

Network Section

LAN terminal. . . . . .10 BASE-T/100 BASE-TX

Miscellaneous

Power Requirements. . . . . .AC 220 V to 230 V, 50 Hz/60 Hz
Power Consumption . . . . . .520 W (VSX-827)
450 W (VSX-527)
In standby . . . . . 0.45 W (Control OFF)
Dimensions . . . . . 435 mm (W) x 168 mm (H) x 342.5 mm (D)
Weight (without package). . . . . 9.3 kg (VSX-827)
8.9 kg (VSX-527)

Furnished Parts

Microphone (for Auto MCACC setup) 1
Remote control 1
Dry cell batteries (AAA size IEC R03). 2
AM loop antenna. 1
FM wire antenna 1
iPod cable (VSX-827 only) 1
Warranty card 1
Power cord
Quick start guide
Safety Brochure
These operating instructions (CD-ROM)

Note

- The specifications are applicable when the power supply is 230 V.
- Specifications and the design are subject to possible modifications without notice, due to improvements.
- *This product includes FontAvenue® fonts licensed by NEC Corporation. FontAvenue is a registered trademark of NEC Corporation.*

http://www.pioneer.co.uk

http://www.pioneer.eu

© 2012 PIONEER CORPORATION.
All rights reserved.

PIONEER CORPORATION
1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC.
P.O. BOX 1540, Long Beach, California 90801-1540, U.S.A. TEL: (800) 421-1404
PIONEER ELECTRONICS OF CANADA, INC.
340 Ferrier Street, Unit 2, Markham, Ontario L3R 2Z5, Canada TEL: 1-877-283-5901, 905-479-4411
PIONEER EUROPE NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium TEL: 03/570.05.11
PIONEER ELECTRONICS ASIACENTRE PTE. LTD.
253 Alexandra Road, #04-01, Singapore 159936 TEL: 65-6472-7555
PIONEER ELECTRONICS AUSTRALIA PTY. LTD.
5 Arco Lane, Heatherton, Victoria, 3202, Australia, TEL: (03) 9586-6300
PIONEER ELECTRONICS DE MEXICO S.A. DE C.V.
Blvd.Manuel Avila Camacho 138 10 piso Col.Lomas de Chapultepec, Mexico, D.F. 11000 TEL: 55-9178-4270
K002_B3_En

<ARB7471-A>